Library

Control Series—Published Quarterly August Issue, 1937—No. 163

Commercial Fertilizers, Commercial Feeds

and

Agricultural Liming Materials

STATE INSPECTION SERVICE

Controlled by

UNIVERSITY OF MARYLAND

College Park, Md.

Entered at College Park (Md.) Post-Office as Second-Class Matter

GENERAL INDEX

	PAGE
Introduction	3
Fertilizer Analyses	5
Feed Analyses	39
Dog Foods	110
Mineral Feeds	116
Lime Analyses	119

INTRODUCTION

Operating under the feed, fertilizer, and lime laws of Maryland, representatives of the State Inspection Service, from January 1st to July 1st, collected from the Maryland market and examined in the State Laboratories 2389 samples of the products covered by the above mentioned statutes. Reports covering these samples are included in this publication.

Practically all the States in the Union now have laws which directly regulate the manufacture and sale of agricultural commodities. These laws are more searching and more comprehensive in their regulation than even the pure food and drug laws of the States and the Federal Government. Manufacturers of agricultural commodities realize that in the sale and use of their products they and their customers, the farmers, are engaged in a common enterprise; that success means profit to both, and that failure would mean disaster to both as well as hardship to the public at large. As a result, manufacturers have gladly cooperated with State Administrative Officials, charged with the enforcement of these laws, and have gladly borne the expense of their administration in the form of inspection or license fees.

Any regulatory law should be adequate to protect the farmer and the purchaser, and to furnish him with all the information necessary to enable him to intelligently select the goods he desires to purchase. It should be fair to the manufacturer; it should not impose useless or futile requirements, whose only results would be to increase the cost of the goods and, hence, the price to be paid by the farmer. Above all, it must be a law that the Administrative Control Officer can enforce in a practical way. A law that cannot be so enforced is open to vicious violation by the unscrupulous without fear of penalty, and the detriment alike of the honest manufacturer and of the consumer.

FERTILIZER ANALYSES

A detailed table showing results obtained in the examination of fertilizers from January 1, 1937, to July 1, 1937, is given on pages 6 to 37, inclusive.

When submitting applications for the registration of fertilizers, manufacturers are required to state the percentage of mineral and the percentage of organic nitrogen contained in each product. Each mixed fertilizer is chemically examined for these two forms of nitrogen and reports included herein. The following tolerances or variations from manufacturers' statements have been adopted by this Department.

Mixed fertilizers containing two per cent of nitrogen or less were allowed tolerance of one-fourth of one per cent.

Mixed fertilizers containing three per cent of nitrogen a tolerance of one-third of one per cent.

Mixed fertilizers containing four per cent or more of nitrogen, one-half of one per cent.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Acme Guano Co., Baltimore, Md.													
Acme 6-6-5	Vienna	6.00	**6.01**	4.80	**5.03**	1.20	**.98**	**.40**	6.00	**6.80**	5.00	**5.20**	**406 A**
Acme 4-8-7	Reisterstown	4.00	**4.02**	3.20	**3.48**	.80	**.54**	**.80**	8.00	**7.80**	7.00	**7.14**	**277 A**
Acme 4-8-7	Belair	4.00	**4.10**	3.20	**3.43**	.80	**.67**	**.50**	8.00	**8.50**	7.00	**7.06**	**260 A**
Acme 4-8-7	Vienna	4.00	**4.00**	3.20	**3.44**	.80	**.56**	**.90**	8.00	**7.60**	7.00	**7.29**	**208 A**
Acme 4-8-7	Vienna	4.00	**4.03**	3.20	**3.30**	.80	**.73**	**.50**	8.00	**8.00**	7.00	**7.11**	**358 A**
Acme 4-8-5	Ellicott City	4.00	**3.89**	3.20	**3.20**	.80	**.69**	**1.00**	8.00	**8.20**	5.00	**5.91**	**247 A**
Acme 3-12-6	Vienna	3.00	**3.03**	2.40	**2.32**	.60	**.71**	**.90**	12.00	**12.90**	6.00	**6.13**	**223 A**
Acme 3-10-10	Reisterstown	3.00	**3.26**	2.40	**2.39**	.60	**.87**	**.70**	10.00	**10.30**	10.00	**10.50**	**96 A**
Acme 3-10-10	Ellicott City	3.00	**3.85**	2.40	**3.29**	.60	**.56**	**.40**	10.00	**10.30**	10.00	**10.24**	**218 A**
Acme 3-8-10	Reisterstown	3.00	**2.97**	2.40	**2.19**	.60	**.78**	**.70**	8.00	**9.80**	10.00	**10.80**	**36 A**
Acme 3-8-10	Vienna	3.00	**2.97**	2.40	**2.39**	.60	**.58**	**1.10**	8.00	**7.90**	10.00	**10.86**	**147 A**
Acme 2-12-6	Reisterstown	2.00	**2.06**	1.60	**1.54**	.40	**.52**	**2.30**	12.00	**12.10**	6.00	**8.08**	**138 A**
Acme 2-12-4	Belair	2.00	**2.26**	1.60	**1.66**	.40	**.60**	**.40**	12.00	**11.70**	4.00	**4.90**	**62 A**
Acme 2-9-5	Reisterstown	2.00	**2.19**	1.60	**1.59**	.40	**.60**	**.60**	9.00	**9.00**	5.00	**5.46**	**385 B**
Acme 2-9-5	Ellicott City	2.00	**2.42**	1.60	**1.95**	.40	**.47**	**.50**	9.00	**10.10**	5.00	**5.82**	**50 A**
Acme 2-9-5	Belair	2.00	**2.44**	1.60	**1.97**	.40	**.47**	**.70**	9.00	**9.60**	5.00	**5.82**	**37 A**
Acme 2-9-5	Vienna	2.00	**2.12**	1.60	**1.85**	.40	**.27**	**.80**	9.00	**9.50**	5.00	**5.12**	**131 B**
Acme 2-8-10	Vienna	2.00	**2.05**	1.60	**1.68**	.40	**.37**	**.50**	8.00	**8.00**	10.00	**10.24**	**47 A**
Acme 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	**.60**	12.00	**12.40**	5.00	**5.47**	
Acme 0-12-5	Vienna	.....	.....	.....	.....	.....	.....	**.70**	12.00	**10.90**	5.00	**5.70**	
‡Acme 0-8-10	Vienna	.....	.....	.....	.....	.....	.....	**.30**	8.00	**8.00**	10.00	**10.44**	
American Agricultural Chemical Co., Balto., Md.													
Slingluff's 10% Top Dresser—Sulphate 10-5-2	Baltimore	10.00	**10.12**	9.00	**8.88**	1.00	**1.24**	**.30**	5.00	**5.40**	2.00	**2.17**	**810 A**
Slingluff's 10% Top Dresser—Sulphate 10-5-2	Waldorf	10.00	**9.98**	9.00	**8.93**	1.00	**1.05**	**.30**	5.00	**5.30**	2.00	**2.25**	**805 A**
Slingluff's 10% Top Dresser—Sulphate 10-5-2	Upper Marlboro	10.00	**10.03**	9.00	**8.65**	1.00	**1.38**	**.30**	5.00	**5.30**	2.00	**2.21**	**757 A**
Slingluff's 10% Top Dresser—Sulphate 10-5-2	Baltimore	10.00	**10.00**	9.00	**9.00**	1.00	**1.00**	**.40**	5.00	**5.20**	2.00	**2.17**	**382 A**
Slingluff's 10% Top Dresser—Sulphate 10-5-2	Baltimore	10.00	**9.98**	9.00	**8.69**	1.00	**1.29**	**.40**	5.00	**5.50**	2.00	**2.09**	**677 A**
Slingluff's 10% Top Dresser—Sulphate 10-5-2	Baltimore	10.00	**10.08**	9.00	**8.92**	1.00	**1.16**	**.50**	5.00	**5.20**	2.00	**2.17**	**774 A**
AA. Tobacco Plant Bed Fertilizer—Sulphate 8-5-2	Baltimore	8.00	**8.02**	7.20	**7.00**	.80	**1.02**	**.40**	5.00	**5.30**	2.00	**2.38**	**525 A**
AA. Tobacco Plant Bed Fertilizer—Sulphate 8-5-2	Baltimore	8.00	**8.01**	7.20	**7.08**	.80	**.93**	**.50**	5.00	**5.20**	2.00	**2.20**	**627 A**
AA. Tobacco Bed Fertilizer—Sulphate 6-6-8	Sunderland	6.00	**6.07**	5.40	**5.16**	.60	**.91**	**.40**	6.00	**6.60**	8.00	**8.08**	**401 A**

Slingluff's 10% Top Dresser—Sulphate 10-5-2	Baltimore	10.00	10.08	9.00	9.20	.80	1.02	.40	5.00	5.30	2.00	2.38	525	A
AA. Tobacco Plant Bed Fertilizer—Sulphate 8-5-2	Baltimore	8.00	8.02	7.20	7.00	.80	1.02	.40	5.00	5.30	2.00	2.38	525	A
AA. Tobacco Plant Bed Fertilizer—Sulphate 8-5-2	Baltimore	8.00	8.01	7.20	7.08	.80	.93	.50	5.00	5.20	2.00	2.20	627	A
AA. Tobacco Bed Fertilizer—Sulphate 6-6-8	Sunderland	6.00	6.07	5.40	5.16	.60	.91	.40	6.00	6.60	8.00	8.08	401	A
AA. Tobacco Bed Fertilizer—Sulphate 6-6-8	Baltimore	6.00	5.90	5.40	5.12	.60	.78	.40	6.00	6.70	8.00	8.00	382	A
AA. Tobacco Bed Fertilizer—Sulphate 6-6-8	Baltimore	6.00	6.05	5.40	5.22	.60	.83	.50	6.00	6.70	8.00	8.38	440	A
Detrick's Gold Basis Fertilizer 6-6-5	Salisbury	6.00	5.97	3.60	3.62	2.40	2.35	.30	6.00	6.80	5.00	5.04	122	A
Detrick's Gold Basis Fertilizer 6-6-5	Baltimore	6.00	5.87	3.60	3.50	2.40	2.37	.50	6.00	6.60	5.00	5.20	134	A
Agrico For Potatoes—Tidewater 6-6-5	Baltimore	6.00	6.01	3.60	3.35	2.40	2.66	.50	6.00	6.20	5.00	5.35	89	A
AA. Trucker's Favorite 6-6-5	Baltimore	6.00	5.97	4.50	4.43	1.50	1.54	.40	6.00	6.70	5.00	5.35	284	A
AA. Trucker's Favorite 6-6-5	Baltimore	6.00	5.76	4.50	4.23	1.50	1.53	.40	6.00	6.80	5.00	5.28	287	A
Agrico For Truck 5-10-5	Baltimore	5.00	4.98	3.75	3.61	1.25	1.37	.80	10.00	10.80	5.00	5.35	211	A
Agrico For Truck 5-10-5	Baltimore	5.00	5.00	3.75	3.64	1.25	1.36	.90	10.00	10.50	5.00	5.28	224	A
Agrico For Truck 5-10-5	Baltimore	5.00	4.89	3.75	3.61	1.25	1.28	1.80	10.00	10.20	5.00	5.35	166	A
Agrico For Tobacco—Sulphate 5-8-12	Baltimore	5.00	5.03	3.75	3.45	1.25	1.58	.40	8.00	8.10	12.00	12.34	211	A
Agrico For Tobacco—Sulphate 5-8-12	Baltimore	5.00	5.00	3.75	3.66	1.25	1.34	.30	8.00	8.80	12.00	12.00	178	A
AA. Prince George Tobacco Fert.—Sulphate 4-8-12	Baltimore	4.00	4.02	3.00	2.78	1.00	1.24	.50	8.00	8.90	12.00	12.50	228	A
AA. Red Leaf Tobacco Fert.—Sulphate 4-8-10	Baltimore	4.00	4.02	3.00	2.71	1.00	1.31	.60	8.00	8.70	10.00	10.40	251	A
AA. Golden Leaf Tobacco Fert.—Sulphate 4-8-7	Baltimore	4.00	3.97	3.00	2.91	1.00	1.06	1.00	8.00	8.60	7.00	7.76	190	A
Agrico for Potatoes 4-8-7	Baltimore	4.00	3.99	3.00	2.92	1.00	1.07	.80	8.00	8.40	7.00	7.37	155	A
Agrico for Potatoes 4-8-7	Baltimore	4.00	4.02	3.00	3.03	1.00	.99	.70	8.00	8.80	7.00	7.45	144	A
Agrico for Potatoes 4-8-7	Baltimore	4.00	4.09	3.00	3.06	1.00	1.03	.90	8.00	8.40	7.00	7.29	151	A
AA. Gladiator Fertilizer 4-8-7	Baltimore	4.00	3.99	3.00	2.70	1.00	1.29	.70	8.00	8.30	7.00	7.24	197	A
AA. Early Trucker Fertilizer 4-8-5	Baltimore	4.00	3.97	3.00	2.77	1.00	1.20	1.00	8.00	7.70	5.00	5.20	170	A
AA. Early Trucker Fertilizer 4-8-5	Baltimore	4.00	3.99	3.00	2.75	1.00	1.24	.60	8.00	8.60	5.00	5.28	189	A
AA. Early Trucker Fertilizer 4-8-5	Baltimore	4.00	4.03	3.00	2.96	1.00	1.07	.70	8.00	8.30	5.00	5.35	194	A
Agrico For Tomatoes 3-12-6	Baltimore	3.00	3.02	2.25	2.16	.75	.86	1.00	12.00	12.40	6.00	6.05	96	A
Agrico For Tomatoes 3-12-6	Baltimore	3.00	3.02	2.25	2.19	.75	.83	1.00	12.00	12.20	6.00	6.21	106	A
Agrico For Corn 3-12-6	Baltimore	3.00	3.12	2.25	2.11	.75	1.01	1.20	12.00	12.30	6.00	6.13	105	A
Agrico For Corn 3-12-6	Baltimore	3.00	2.98	2.25	2.23	.75	.75	1.40	12.00	11.80	6.00	6.13	83	A
Agrico For Corn 3-12-6	Rocky Ridge	3.00	3.05	2.25	2.22	.75	.83	1.50	12.00	11.70	6.00	6.00	91	A
AA. Calvert Tobacco Fertilizer—Sulphate 3-8-15	Baltimore	3.00	3.02	2.25	2.02	.75	1.00	.60	8.00	8.00	15.00	16.16	65	A
Agrico For Tobacco—Sulphate 3-8-15	Baltimore	3.00	2.99	2.25	2.20	.75	.79	.70	8.00	8.70	15.00	16.00	87	A
AA. Sweepstakes Fertilizer 3-8-10	Baltimore	3.00	3.02	2.25	2.02	.75	1.00	1.00	8.00	8.90	10.00	10.44	189	A
Agrico For Sweet Potatoes 3-8-10	Baltimore	3.00	2.98	2.25	2.15	.75	.83	1.10	8.00	8.10	10.00	10.24	77	A
Agrico For Sweet Potatoes 3-8-10	Baltimore	3.00	3.06	2.25	2.19	.75	.87	.90	8.00	8.10	10.00	10.40	64	A
AA. Horse Shoe Fertilizer 2-12-6	Baltimore	2.00	2.12	1.50	1.35	.50	.77	1.10	12.00	12.00	6.00	6.52	124	A
AA. Horse Shoe Fertilizer 2-12-6	Taneytown	2.00	2.11	1.50	1.29	.50	.82	.90	12.00	12.40	6.00	6.60	130	A
AA. Farmers Friend Fertilizer 2-12-4	Baltimore	2.00	2.03	1.50	1.33	.50	.70	.80	12.00	12.00	4.00	4.34	5	B
Agrico For Grain 2-12-4	Baltimore	2.00	2.06	1.50	1.40	.50	.66	1.10	12.00	12.00	4.00	4.42	55	A
Agrico For Grain 2-12-4	Baltimore	2.00	2.06	1.50	1.43	.50	.63	.90	12.00	12.40	4.00	4.19	29	A

‡Not licensed at time of sale.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
American Agricultural Chemical Co., Balto., Md.,	(Continued)												
AA. Knagaroo Komplete Kompound 2-10-4	Baltimore	2.00	2.06	1.50	1.39	.50	.67	.90	10.00	10.00	4.00	4.50	79 A
AA. Red Dog Fertilizer 2-9-5	Baltimore	2.00	2.02	1.50	1.29	.50	.73	.90	9.00	9.00	5.00	5.40	87 A
AA. Red Dog Fertilizer 2-9-5	Baltimore	2.00	2.12	1.50	1.40	.50	.72	1.10	9.00	9.30	5.00	5.44	67 A
Listers Harvest Queen Fertilizer 2-9-5	Baltimore	2.00	2.15	1.50	1.33	.50	.82	1.10	9.00	9.30	5.00	5.44	38 A
AA. Silk Leaf Tobacco Fertilizer—Sulphate 2-8-10	Baltimore	2.00	2.19	1.50	1.43	.50	.76	.90	8.00	9.20	10.00	10.00	63 A
AA. Silk Leaf Tobacco Fertilizer—Sulphate 2-8-10	Baltimore	2.00	2.20	1.50	1.45	.50	.75	.70	8.00	9.20	10.00	10.00	109 A
AA. Old Hickory Fertilizer 2-8-10	Baltimore	2.00	2.06	1.50	1.32	.50	.74	.80	8.00	8.20	10.00	10.48	97 A
AA. Old Hickory Fertilizer 2-8-10	Baltimore	2.00	2.04	1.50	1.33	.50	.71	.60	8.00	8.50	10.00	10.40	40 A
AA. Acme Fertilizer 1-10-5	Baltimore	1.00	1.04	.75	.59	.25	.45	.30	10.00	10.80	5.00	5.38	64 B
Pure Raw Bone 3.70—T.P.A. 20-0	Baltimore	3.70	3.34						*20.00	*21.20			
Fine Ground Bone 2.47—T.P.A. 23-0	Baltimore	2.47	2.33						*23.00	*27.50			
Pulverized Sheep & Goat Manure 1.25—T.P.A. 1-2	Upper Marlboro	1.25	1.80						* 1.00	* 1.40	2.00	3.42	
Pulverized Sheep & Goat Manure 1.25—T.P.A. 1-2	Baltimore	1.25	1.60						* 1.00	* 1.70	2.00	3.34	
Sulphate of Ammonia 20.50-0-0	Baltimore	20.50	20.52										
AA. XXX Mixture 0-10-10	Baltimore							.90	10.00	10.80	10.00	10.32	
AA. Victory Mixture 0-12-5	Baltimore							.60	12.00	13.90	5.00	5.35	
AA. Victory Mixture 0-12-5	Baltimore							1.00	12.00	12.60	5.00	5.28	
AA. Superphosphate 0-20-0	Baltimore							.60	20.00	20.90			
AA. Superphosphate 0-16-0	Baltimore							1.10	16.00	16.90			
AA. Superphosphate 0-16-0	Baltimore							.90	16.00	16.80			
AA. Superphosphate 0-16-0	Baltimore							1.00	16.00	16.40			
AA. Basic Lime Phosphate 0-16-0	Baltimore							1.40	16.00	17.20			
AA. Basic Lime Phosphate 0-16-0	Baltimore							1.40	16.00	16.60			
Muriate of Potash 0-0-50	Baltimore										50.00	50.40	
Sulphate of Potash 0-0-48	Baltimore										48.00	49.30	
Kainit 0-0-20	Baltimore										20.00	22.36	
American Cyanamid Co., New York, N. Y.													
21% "Aero" Cyanamid Granular 21-0-0	Baltimore	21.00	20.96										
Armour Fertilizer Works, Baltimore, Md.													
‡Armour's Special Tree Food 10-8-6	Baltimore	10.00	9.44	10.00	8.80			.55					

Armour Fertilizer Works, Baltimore, Md.

‡Armour's Special Tree Food 10-8-6	Baltimore	10.00	9.44	10.00	8.89		.55	.30	8.00	8.50	6.00	7.14	656 A
Armour's Special Top Dresser 10-5-2	Clinton	10.00	9.66	9.00	8.77	1.00	.89	.30	5.00	5.40	2.00	2.60	204 A
Armour's Special Top Dresser 10-5-2	Baltimore	10.00	9.90	9.00	8.78	1.00	1.12	.40	5.00	5.10	2.00	2.10	206 A
Armour's Special Top Dresser 10-5-2	Baltimore	10.00	9.64	9.00	8.73	1.00	.91	.40	5.00	5.10	2.00	2.25	165 A
Armour's Special Top Dresser 8-5-2	Clements	8.00	9.26	7.20	8.25	.80	1.01	.40	5.00	5.40	2.00	2.40	192 A
Armour's Special Top Dresser 8-5-2	Baltimore	8.00	7.83	7.20	6.52	.80	1.31	.40	5.00	5.10	2.00	2.32	141 A
Armour's Special Top Dresser 8-5-2	Baltimore	8.00	8.12	7.20	7.17	.80	.95	.30	5.00	5.20	2.00	2.17	179 A
Armour's Big Crop Fertilizer 6-6-5	Baltimore	6.00	5.70	3.60	3.48	2.40	2.22	.30	6.00	6.60	5.00	5.35	32 A
Armour's Big Crop Fertilizer 6-6-5	Baltimore	6.00	5.96	3.60	3.84	2.40	2.12	.40	6.00	6.30	5.00	5.44	26 B
Armour's Big Crop Fertilizer 6-6-5	Baltimore	6.00	5.87	3.60	3.60	2.40	2.27	.40	6.00	6.30	5.00	5.43	11 A
Armour's Big Crop Fertilizer 5-10-5	Baltimore	5.00	5.00	3.75	3.71	1.25	1.29	.40	10.00	10.50	5.00	5.50	140 A
Armour's Big Crop Fertilizer 5-10-5	Baltimore	5.00	4.77	3.75	3.54	1.25	1.23	.50	10.00	10.20	5.00	5.43	84 A
Armour's Big Crop Fertilizer 5-8-12	Baltimore	5.00	4.89	3.75	3.43	1.25	1.46	.30	8.00	8.00	12.00	12.50	114 A
Armour's Big Crop Fertilizer 4-12-10	Baltimore	4.00	4.07	3.20	2.81	.80	1.26	.50	12.00	12.50	10.00	10.60	189 A
Armour's Special Tobacco Grower 4-8-12	Baltimore	4.00	4.04	2.80	2.16	1.20	1.88	.30	8.00	8.30	12.00	12.50	27 B
Armour's Special Tobacco Grower 4-8-10	Baltimore	4.00	3.99	2.80	2.41	1.20	1.58	.50	8.00	8.20	10.00	10.40	4 B
Armour's Big Crop Fertilizer 4-8-10	Baltimore	4.00	4.00	2.80	2.86	1.20	1.14	.50	8.00	8.10	10.00	10.16	27 A
Armour's Big Crop Fertilizer 4-8-10	Baltimore	4.00	3.99	2.80	2.84	1.20	1.15	.40	8.00	8.30	10.00	10.80	53 A
Armour's Big Crop Fertilizer 4-8-10	Baltimore	4.00	3.97	2.80	2.72	1.20	1.25	.60	8.00	8.00	10.00	10.50	51 B
Armour's Special Tobacco Grower 4-8-7	Baltimore	4.00	3.89	2.80	2.43	1.20	1.46	.40	8.00	8.40	7.00	7.47	20 B
Armour's Big Crop Fertilizer 4-8-7	Baltimore	4.00	4.04	2.80	2.63	1.20	1.41	.50	8.00	8.30	7.00	7.60	38 A
Armour's Big Crop Fertilizer 4-8-7	Baltimore	4.00	4.02	2.80	2.79	1.20	1.23	.20	8.00	8.50	7.00	7.22	50 A
Armour's Big Crop Fertilizer 4-8-7	Baltimore	4.00	4.00	2.80	2.98	1.20	1.02	.40	8.00	8.30	7.00	7.56	14 A
Armour's Big Crop Fertilizer 4-8-5	Baltimore	4.00	3.89	2.80	2.52	1.20	1.36	.30	8.00	8.20	5.00	5.20	8 A
Armour's Super Fish Mixture 3-12-6	Baltimore	3.00	2.88	1.80	1.61	1.20	1.27	.90	12.00	12.00	6.00	6.68	38 A
Armour's Big Crop Fertilizer 3-12-6	Baltimore	3.00	2.99	2.10	1.99	.90	1.00	.70	12.00	12.30	6.00	6.83	57 A
Armour's Big Crop Fertilizer 3-12-6	Baltimore	3.00	3.06	2.10	1.93	.90	1.13	1.20	12.00	12.10	6.00	6.60	7 B
Armour's Big Crop Fertilizer 3-8-10	Baltimore	3.00	2.81	2.10	1.82	.90	.99	.40	8.00	8.00	10.00	11.88	19 B
Armour's Big Crop Fertilizer 2-12-4	Baltimore	2.00	2.02	1.40	1.12	.60	.90	.70	12.00	12.10	4.00	4.34	22 A
Armour's Big Crop Fertilizer 2-9-5	Baltimore	2.00	2.02	1.40	1.12	.60	.90	.90	9.00	9.10	5.00	5.40	3 B
Armour's Big Crop Fertilizer 2-9-5	Baltimore	2.00	2.03	1.40	1.28	.60	.75	.40	9.00	9.20	5.00	5.46	43 A
Armour's Special Tobacco Grower 2-8-10	Baltimore	2.00	2.01	1.40	1.18	.60	.83	.50	8.00	7.70	10.00	10.40	34 B
Armour's Big Crop Fertilizer 2-8-10	Baltimore	2.00	2.01	1.40	1.21	.60	.80	.90	8.00	8.20	10.00	10.48	27 A
Armour's Big Crop Fertilizer 2-8-10	Baltimore	2.00	2.06	1.40	1.29	.60	.77	.30	8.00	8.20	10.00	11.18	17 B
Armour's Raw Bone Meal 3.70—T.P.A. 20.50-0	Baltimore	3.70	3.68						*20.50	*21.60			
Armour's Sheep & Goat Manure 1.25—T.P.A. 1-2	Baltimore	1.25	1.66						* 1.00	* 2.10	2.00	4.26	
Armour's Sulphate of Ammonia 20.50-0-0	Baltimore	20.50	20.48										
Armour's Half & Half Mixture 0-10-10	Baltimore							.50	10.00	10.40	10.00	10.60	
Armour's Half & Half Mixture 0-10-10	Baltimore							.20	10.00	10.40	10.00	10.50	

‡Not licensed at time of sale.

*Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Armour Fertilizer Works, Baltimore, Md., (Continued)													
Armour's Big Crop Superphosphate 0-20-0	Baltimore							.60	20.00	20.00			
Armour's Big Crop Superphosphate 0-16-0	Baltimore							.60	16.00	15.90			
Armour's Big Crop Superphosphate 0-16-0	Baltimore							.50	16.00	16.40			
Armour's Big Crop Superphosphate 0-16-0	Baltimore							.40	16.00	16.30			
Armour's Big Crop Superphosphate 0-16-0	Baltimore							.40	16.00	16.30			
Armour's Muriate of Potash 0-0-48	Baltimore										48.00	48.00	
Armour's Kainit 0-0-20	Baltimore										20.00	21.40	
Armour's Kainit 0-0-20	Baltimore										20.00	20.16	
Armour's Kainit 0-0-20	Baltimore										20.00	20.04	
Associated Fertilizer Merchants, Inc., Balto., Md.													
Lawn & Garden Fertilizer 6-6-5	Baltimore	6.00	5.39	3.60	3.31	2.40	2.08	.40	6.00	6.50	5.00	5.04	157 B
Lawn & Garden Fertilizer 6-6-5	Baltimore	6.00	5.39	3.60	3.39	2.40	2.00	.50	6.00	6.90	5.00	5.35	94 B
Dooley's 4-8-7	Cardiff	4.00	4.02	3.00	3.14	1.00	.88	.60	8.00	8.70	7.00	7.22	11 A
2-12-4	Baltimore	2.00	2.11	1.50	1.46	.50	.65	.80	12.00	12.10	4.00	4.66	48 A
2-12-4	Baltimore	2.00	2.19	1.50	1.64	.50	.55	.90	12.00	12.00	4.00	4.81	73 A
Dooley's 2-12-4	Cardiff	2.00	2.06	1.50	1.46	.50	.60	.90	12.00	11.90	4.00	4.61	99 A
Dooley's 2-9-5	Cardiff	2.00	2.16	1.50	1.54	.50	.62	.80	9.00	9.30	5.00	5.00	50 A
2-8-10	Baltimore	2.00	2.05	1.50	1.40	.50	.65	.80	8.00	8.40	10.00	10.00	6 A
2-8-10	Baltimore	2.00	2.05	1.50	1.43	.50	.62	.60	8.00	9.70	10.00	9.76	70 A
‡1-10-5	Baltimore	1.00	1.01	.60	.34	.40	.67	.80	10.00	10.60	5.00	5.44	221 B
Steamed Bone Meal 2.47—T.P.A. 21-0	Baltimore	2.47	2.61						*21.00	*25.10			
‡Steamed Bone Meal 2.47—T.P.A. 21-0	Huntingtown	2.47	2.64						*21.00	*24.40			
0-12-5	Baltimore							.80	12.00	12.00	5.00	6.05	
‡Superphosphate 0-18-0	Baltimore							1.10	18.00	16.50			
Superphosphate 0-16-0	Baltimore							.30	16.00	16.90			
‡Superphosphate 0-16-0	Baltimore							1.20	16.00	16.40			
‡Lime Phosphate 0-16-0	Baltimore							1.40	16.00	15.70			
High Grade Kainit 0-0-20	Baltimore										20.00	22.96	
Baltimore Fertilizer Co., Baltimore, Md.													
Honest Tobacco Bed Guano 8-5-2													

‡Lime Phosphate 0-16-0													
High Grade Kainit 0-0-20	Baltimore									20.00	22.90		
Baltimore Fertilizer Co., Baltimore, Md.													
Honest Tobacco Bed Guano 8-5-2	La Plata	8.00	7.90	7.25	6.99	.75	.91	.40	5.00	5.30	2.00	2.80	413 A
Honest 4-8-7	Belair	4.00	4.35	3.40	3.65	.60	.70	.50	8.00	8.50	7.00	7.98	239 A
Honest 4-8-5	Glyndon	4.00	3.89	3.40	3.34	.60	.55	.60	8.00	8.40	5.00	5.20	86 A
Honest 4-8-5	Belair	4.00	4.26	3.40	3.72	.60	.54	.20	8.00	8.40	5.00	5.90	178 A
Honest 4-8-5	Fallston	4.00	4.41	3.40	3.61	.60	.80	.20	8.00	8.60	5.00	6.05	226 A
Honest 4-8-5	La Plata	4.00	4.00	3.40	3.30	.60	.70	.70	8.00	8.20	5.00	5.08	183 A
Honest 2-12-4	Fallston	2.00	2.22	1.50	1.67	.50	.55	.60	12.00	12.00	4.00	4.48	84 B
Honest 2-9-5	Glyndon	2.00	1.98	1.50	1.49	.50	.49	.80	9.00	9.20	5.00	5.35	156 B
Honest 2-9-5	Baltimore	2.00	1.97	1.50	1.60	.50	.37	.90	9.00	9.10	5.00	5.28	75 A
Honest 2-9-5	Fallston	2.00	2.67	1.50	2.25	.50	.42	.30	9.00	9.80	5.00	5.28	6 B
Honest 2-9-5	Belair	2.00	2.08	1.50	1.68	.50	.40	.60	9.00	10.50	5.00	5.98	79 B
Honest 2-8-10	Glyndon	2.00	1.92	1.50	1.38	.50	.54	.50	8.00	8.60	10.00	10.50	7 B
Honest 2-8-10	Belair	2.00	2.25	1.50	1.73	.50	.52	.60	8.00	9.00	10.00	10.24	23 B
Honest 0-12-5	Belair							.90	12.00	12.70	5.00	5.00	
Barrett Co., New York, N. Y.													
Arcadian the American Nitrate of Soda 16-0-0	Baltimore	16.00	16.08										
Arcadian the American Nitrate of Soda 16-0-0	Baltimore	16.00	16.04										
Arcadian the American Nitrate of Soda 16-0-0	Baltimore	16.00	16.40										
W. J. Barton & Son, Centreville, Md.													
MBW. N. J. Tomato Grower 3-8-10	Centreville	3.00	2.98	2.25	1.89	.75	1.09	.60	8.00	8.70	10.00	10.54	53 A
‡MBW. 2-12-6	Baltimore	2.00	2.13	1.25	1.15	.75	.98	.70	12.00	12.50	6.00	6.75	44 B
MBW. Fruit Special 2-9-5	Baltimore	2.00	2.08	1.25	1.26	.75	.82	.70	9.00	9.10	5.00	5.00	46 B
MBW. Fruit Special 2-9-5	Centreville	2.00	2.18	1.25	1.40	.75	.78	.50	9.00	9.00	5.00	5.40	28 B
MBW. Fruit Special 2-9-5	Centreville	2.00	2.27	1.25	1.36	.75	.91	.60	9.00	9.30	5.00	5.28	82 B
MBW. O-11-7	Centreville							.50	11.00	8.60	7.00	10.86	
MBW. 0-12-5	Centreville							.40	12.00	11.70	5.00	5.90	
MBW. Superphosphate 0-16-0	Centreville							.50	16.00	15.90			
Baugh & Sons Co., Baltimore, Md.													
Baugh's Plant Bed Fertilizer 10-5-2	Baltimore	10.00	10.03	9.00	8.80	1.00	1.23	.40	5.00	5.70	2.00	2.56	705 A
Baugh's Plant Bed Fertilizer 10-5-2	Sunderland	10.00	9.86	9.00	8.81	1.00	1.05	.40	5.00	5.60	2.00	2.35	863 A
Baugh's Plant Bed Fertilizer 10-5-2	Barstow	10.00	10.07	9.00	8.95	1.00	1.12	.40	5.00	5.60	2.00	2.35	870 A
Baugh's Plant Bed Fertilizer 10-5-2	Baltimore	10.00	10.19	9.00	9.17	1.00	1.02	.40	5.00	5.50	2.00	2.48	875 A
Baugh's Plant Bed Fertilizer 10-5-2	Baltimore	10.00	9.92	9.00	8.95	1.00	.97	.50	5.00	5.50	2.00	2.32	838 A
Baugh's Plant Bed Fertilizer 8-5-2	Baltimore	10.00	9.76	9.00	8.90	1.00	.86	.40	5.00	5.70	2.00	2.48	829 A
Baugh's Plant Bed Fertilizer 8-5-2	Barstow	8.00	8.00	6.80	6.77	1.20	1.23	.20	5.00	5.60	2.00	2.32	642 A
		8.00	8.01	6.80	6.68	1.20	1.33	.30	5.00	5.40	2.00	2.24	677 A

‡Not licensed at time of sale.

*Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Baugh & Sons Co., Baltimore, Md., (Continued)													
Baugh's Plant Bed Fertilizer 8-5-2	Huntingtown	8.00	**8.07**	6.80	**6.98**	1.20	**1.09**	.30	5.00	**5.40**	2.00	**2.24**	677 A
Baugh's Plant Bed Fertilizer 8-5-2	Baltimore	8.00	**8.04**	6.80	**6.99**	1.20	**1.05**	.40	5.00	**5.20**	2.00	**2.40**	608 A
Baugh's Plant Bed Fertilizer 8-5-2	Baltimore	8.00	**8.01**	6.80	**6.87**	1.20	**1.14**	.30	5.00	**5.30**	2.00	**2.34**	625 A
Baugh's Plant Bed Fertilizer 6-6-8	Baltimore	6.00	**6.05**	5.10	**4.84**	.90	**1.21**	.40	6.00	**6.50**	8.00	**8.24**	457 A
Baugh's Plant Bed Fertilizer 6-6-8	Baltimore	6.00	**6.00**	5.10	**4.94**	.90	**1.06**	.50	6.00	**6.40**	8.00	**8.38**	478 A
Baugh's Plant Bed Fertilizer 6-6-8	Baltimore	6.00	**6.01**	5.10	**5.07**	.90	**.94**	.50	6.00	**6.50**	8.00	**8.50**	449 A
‡Baugh's Complete Pasture Fertilizer 6-6-5	Annapolis	6.00	**6.00**	5.10	**3.92**	.90	**2.08**	.60	6.00	**6.30**	5.00	**5.44**	19 B
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	**5.98**	3.60	**3.95**	2.40	**2.03**	.80	6.00	**6.30**	5.00	**5.28**	74 B
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	**5.98**	3.60	**3.68**	2.40	**2.30**	.80	6.00	**6.50**	5.00	**5.35**	144 B
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	**6.00**	3.60	**3.76**	2.40	**2.24**	.60	6.00	**6.50**	5.00	**5.35**	19 B
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	**5.85**	3.60	**3.56**	2.40	**2.29**	.90	6.00	**6.00**	5.00	**5.90**	26 B
Baugh's Original Potato Guano 6-6-5	Salisbury	6.00	**5.98**	3.60	**3.65**	2.40	**2.33**	.50	6.00	**6.20**	5.00	**5.12**	33 B
Baugh's Truckers Favorite 5-10-5	Baltimore	5.00	**4.80**	4.00	**3.82**	1.00	**.98**	.80	10.00	**10.30**	5.00	**5.28**	374 A
Baugh's Truckers Favorite 5-10-5	Baltimore	5.00	**5.00**	4.00	**4.00**	1.00	**1.00**	.50	10.00	**10.90**	5.00	**5.59**	363 A
Baugh's 5-8-12	Baltimore	5.00	**4.81**	3.50	**3.05**	1.50	**1.76**	.60	8.00	**9.20**	12.00	**12.42**	107 A
‡Baugh's 4-8-12 For Tobacco	Baltimore	4.00	**3.99**	2.80	**3.23**	1.20	**.76**	1.00	8.00	**8.40**	12.00	**12.26**	280 A
Baugh's 4-8-10 For Tobacco	Baltimore	4.00	**3.97**	2.80	**2.61**	1.20	**1.36**	.50	8.00	**8.70**	10.00	**10.08**	86 A
‡Baugh's 4-8-10 For Tobacco	Baltimore	4.00	**4.03**	2.80	**2.56**	1.20	**1.47**	1.00	8.00	**8.30**	10.00	**10.08**	92 A
Baugh's Old Dependable Potato Grower 4-8-10	Baltimore	4.00	**3.99**	3.00	**3.05**	1.00	**.94**	.80	8.00	**8.70**	10.00	**10.60**	95 A
‡Baugh's Old Dependable Potato Grower 4-8-10	Salisbury	4.00	**3.99**	3.00	**3.32**	1.00	**.67**	.50	8.00	**8.40**	10.00	**10.80**	4 B
Baugh's 4-8-7 For Tobacco	Baltimore	4.00	**3.99**	2.80	**2.67**	1.20	**1.32**	.40	8.00	**8.70**	7.00	**7.37**	7 B
Baugh's Half Century Perfection Brand 4-8-7	Baltimore	4.00	**3.93**	3.10	**3.05**	.90	**.88**	1.00	8.00	**8.10**	7.00	**7.58**	18 A
Baugh's Half Century Perfection Brand 4-8-7	Baltimore	4.00	**3.99**	3.10	**3.05**	.90	**.94**	.50	8.00	**9.10**	7.00	**7.37**	6 A
Baugh's Half Century Perfection Brand 4-8-7	Baltimore	4.00	**4.11**	3.10	**3.23**	.90	**.88**	.40	8.00	**8.70**	7.00	**7.22**	22 B
Baugh's Half Century Perfection Brand 4-8-7	Baltimore	4.00	**4.02**	3.10	**3.20**	.90	**.82**	.50	8.00	**8.60**	7.00	**7.37**	38 A
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	**3.99**	3.10	**3.08**	.90	**.91**	1.20	8.00	**8.10**	5.00	**5.40**	6 A
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	**4.06**	3.10	**3.12**	.90	**.94**	.50	8.00	**8.50**	5.00	**5.35**	9 A
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	**4.07**	3.10	**3.22**	.90	**.85**	.50	8.00	**8.50**	5.00	**5.42**	21 B
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	**4.00**	3.10	**3.10**	.90	**.90**	.70	8.00	**8.50**	5.00	**5.20**	27 B
Baugh's High Grade Fish Brand 3-12-6	Baltimore	3.00	**3.09**	1.80	**1.71**	1.20	**1.38**	1.10	12.00	**12.90**	6.00	**7.06**	61 A
Baugh's Three Quarters Century Perfection Brand 3-12-6	Baltimore	3.00	**2.97**	2.10	**2.12**	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Baugh's Three Quarters Century Perfection Brand 3-12-6	Baltimore	3.00	2.97	2.10	2.12	.90	.85	1.00	12.00	12.40	6.00	6.52	184 A
Baugh's Three Quarters Cent. Perf. Brand 3-12-6	Baltimore	3.00	2.99	2.10	2.11	.90	.88	1.20	12.00	12.20	6.00	6.52	171 A
Baugh's Animal Base & Potash Compound 3-8-10	Baltimore	3.00	3.09	2.10	2.42	.90	.67	.40	8.00	8.50	10.00	10.60	31 A
Baugh's Double Eagle Phosphate 2-12-4	Baltimore	2.00	2.01	1.25	1.18	.75	.83	.80	12.00	12.60	4.00	4.26	55 A
Baugh's Double Eagle Phosphate 2-12-4	Baltimore	2.00	2.11	1.25	1.18	.75	.93	.40	12.00	13.20	4.00	4.50	36 A
Baugh's Double Eagle Phosphate 2-12-4	Baltimore	2.00	2.01	1.25	1.11	.75	.90	.80	12.00	12.50	4.00	4.90	5 A
Baugh's Complete Animal Base Fertilizer 2-9-5	Baltimore	2.00	2.05	1.40	1.45	.60	.60	.40	9.00	9.50	5.00	5.35	16 B
Baugh's Complete Animal Base Fertilizer 2-9-5	Baltimore	2.00	2.25	1.40	1.52	.60	.73	.70	9.00	9.60	5.00	5.35	20 A
Baugh's Complete Animal Base Fertilizer 2-9-5	Linwood	2.00	2.02	1.40	1.35	.60	.67	1.00	9.00	9.10	5.00	5.28	0
Baugh's Complete Animal Base Fertilizer 2-9-5	Baltimore	2.00	2.02	1.40	1.50	.60	.52	1.00	9.00	9.30	5.00	5.56	10 A
Baugh's Special Potato Manure 2-9-5	Baltimore	2.00	2.01	1.40	1.47	.60	.54	.40	9.00	9.60	5.00	5.12	27 B
Baugh's Special Potato Manure 2-9-5	Baltimore	2.00	2.02	1.40	1.47	.60	.55	1.00	9.00	9.20	5.00	5.51	0
Baughs' Half & Half Mixture with Potash 2-9-5	Baltimore	2.00	2.11	.....	.28	2.00	1.83	5.70	9.00	10.40	5.00	5.98	12 A
Baugh's 2-8-10 For Tobacco	Baltimore	2.00	2.13	1.40	1.14	.60	.99	.80	8.00	8.10	10.00	10.40	9 A
Baugh's Commercial Crop Compound 2-8-10	Baltimore	2.00	2.08	1.40	1.47	.60	.61	.30	8.00	8.90	10.00	10.00	13 A
‡Baugh's 2-8-10 with Fish	Baltimore	2.00	2.04	1.20	1.40	.80	.64	.70	8.00	8.10	10.00	11.18	7 B
Baugh's Excelsior Mixture 1-10-5	Baltimore	1.00	1.24	.60	.70	.40	.54	.40	10.00	11.30	5.00	5.40	15 A
Baugh's Excelsior Mixture 1-10-5	Baltimore	1.00	1.10	.60	.59	.40	.51	.80	10.00	10.00	5.00	5.82	2 A
Baugh's Excelsior Mixture 1-10-5	Linwood	1.00	1.08	.60	.62	.40	.46	.80	10.00	10.30	5.00	5.35	2 A
Baugh's Excelsior Mixture 1-10-5	Baltimore	1.00	1.14	.60	.63	.40	.51	.70	10.00	10.30	5.00	5.56	1 A
Baugh's Raw Bone Meal, Warranted Pure 3.70—T.P.A. 20.50-0	Baltimore	3.70	3.82	.....	.....	.....	.....	.....	*20.50	*22.40	.....	.....	
Baugh's Raw Bone Meal, Warranted Pure 3.70—T.P.A. 20.50-0	Baltimore	3.70	4.03	.....	.....	.....	.....	.....	*20.50	*22.90	.....	.....	
Baugh's Pure Steamed Bone Meal 2.47—T.P.A. 23-0	Baltimore	2.47	2.64	.....	.....	.....	.....	.....	*23.00	*26.30	.....	.....	
‡Domestic Sheep Manure 1.50—T.P.A. 1-1	Baltimore	1.50	2.04	.....	.....	.....	.....	.....	* 1.00	* 1.90	1.00	1.98	
Sulphate of Ammonia 20.57-0-0	Berwyn	20.57	20.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	
‡Ground Dried Blood 12-0-0	Baltimore	12.00	12.38	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Baugh's Phosphate & Potash Mixture 0-10-10	Baltimore	.....	.....	.....	.....	.....	.....	.70	10.00	10.10	10.00	10.40	
Baugh's Phosphate & Potash Mixture 0-12-5	Linwood	.....	.....	.....	.....	.....	.....	.80	12.00	12.60	5.00	5.04	
Baugh's Phosphate & Potash Mixture 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	.80	12.00	12.30	5.00	5.40	
Baugh's Phosphate & Potash Mixture 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	.50	12.00	12.60	5.00	5.74	
Baughphos The Ideal Superphosphate 0-20-0	Baltimore	.....	.....	.....	.....	.....	.....	.50	20.00	21.10	.....	.....	
Baughphos The Ideal Superphosphate 0-20-0	Baltimore	.....	.....	.....	.....	.....	.....	.60	20.00	21.00	.....	.....	
Baughphos The Ideal Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	.40	16.00	16.90	.....	.....	
Baughphos The Ideal Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	.70	16.00	17.30	.....	.....	
Baughphos The Ideal Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	.30	16.00	17.60	.....	.....	
Baughphos The Ideal Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	1.10	16.00	15.85	.....	.....	

‡Not licensed at time of sale.

*Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Baugh & Sons Co., Baltimore, Md., (Continued)													
Baugh's Lime & Phosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	1.20	16.00	16.00	.....	.....	
Muriate of Potash 0-0-50	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	50.00	51.60	
F. W. Bolgiano & Co., Inc., Washington, D. C.													
Gold Tag 8-5-2	Hyattsville	8.00	7.68	7.20	6.64	.80	1.04	.30	5.00	6.10	2.00	2.88	293 A
Gold Tag 6-6-5	Hyattsville	6.00	6.24	3.60	3.32	2.40	2.92	.40	6.00	6.30	5.00	5.44	174 A
Gold Tag 6-6-5	Hyattsville	6.00	6.01	3.60	3.42	2.40	2.59	.30	6.00	6.90	5.00	5.67	204 A
Gold Tag 6-6-5	Hyattsville	4.00	4.00	3.00	2.86	1.00	1.14	.30	8.00	8.60	12.00	12.54	192 A
Gold Tag 4-8-12	Hyattsville	4.00	4.04	3.00	2.53	1.00	1.51	.50	8.00	8.70	5.00	5.35	102 B
Gold Tag 4-8-5	Hyattsville	4.00	4.25	3.00	3.07	1.00	1.18	.40	8.00	8.60	5.00	6.36	83 A
Gold Tag 4-8-5	Berwyn	2.00	2.34	1.50	1.46	.50	.88	.50	9.00	9.00	5.00	5.67	122 B
Gold Tag 2-9-5	Berwyn	2.00	2.22	1.50	1.31	.50	.91	.50	9.00	9.00	5.00	4.34	167 B
Gold Tag 2-9-5	Berwyn	2.00	2.04	1.50	1.38	.50	.66	.40	8.00	8.60	10.00	11.50	174 B
Gold Tag 2-8-10	Hyattsville	2.47	2.77	.....	.....	.....	.....	.....	*23.00	*25.60	.....	.....	
Gold Tag Steamed Bone Meal 2.47—T.P.A. 23-0	Hyattsville	20.00	19.48	.....	.....	.....	.....	.....	.....	.....	.....	.....	
‡Sulphate of Ammonia 20-0-0	Hyattsville	.....	.....	.....	.....	.....	.....	.80	16.00	16.70	.....	.....	
Gold Tag Superphosphate 0-16-0	Hyattsville												
Herbert Bryant Inc., Alexandria, Va.													
6-6-5	Washington Grove	6.00	5.97	4.80	4.54	1.20	1.43	.40	6.00	7.40	5.00	5.59	394 A
6-6-5	Crisfield	6.00	6.01	4.80	4.75	1.20	1.26	.40	8.00	8.70	5.00	5.40	299 A
5-8-5	Silver Spring	5.00	4.98	3.75	3.62	1.25	1.36	.40	8.00	8.70	5.00	5.28	258 A
5-8-5	Norbeck	5.00	4.42	3.75	3.19	1.25	1.23	.70	8.00	8.70	5.00	5.28	258 A
5-8-5	Silver Spring	5.00	5.00	3.75	3.59	1.25	1.41	.50	8.00	8.60	5.00	5.08	353 A
‡4-8-7	Washington Grove	4.00	4.21	3.00	3.16	1.00	1.05	.50	8.00	8.90	7.00	7.45	254 A
4-8-5	Washington Grove	4.00	3.99	3.00	2.74	1.00	1.25	.50	8.00	8.30	5.00	5.28	166 A
4-8-5	Hyattsville	4.00	4.10	3.00	2.89	1.00	1.21	.50	8.00	8.70	5.00	5.28	190 A
3-8-5	Washington Grove	3.00	3.09	1.80	1.78	1.20	1.31	.40	8.00	8.30	5.00	5.42	61 A
3-8-5	Norbeck	3.00	2.92	1.80	1.70	1.20	1.22	.30	8.00	8.80	5.00	5.35	109 A
†Pure Animal Bone Meal 3.70—T.P.A. 20.60-0	Silver Spring	3.70	3.71	.....	.....	.....	.....	.....	*20.60	*22.30	.....	.....	
§Pulverized Sheep Manure 1.85—T.P.A. 1-1.75	Hyattsville	1.85	2.27	.....	.....	.....	.....	.....	* 1.00	* 1.50	1.75	2.10	
Herbert Bryant Inc., Alexandria, Va., (Continued)													
§Pulverized Sheep Manure 1.85—T.P.A. 1-1.75	Silver Spring	1.85	2.13	.....	.....	.....	.....	.....	* 1.00	* 1.70	1.75	2.02	
Sulphate of Ammonia 20.56-0-0	Silver Spring	20.56	20.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	

§Pulverized Sheep Manure 1.85—T.P.A. 1-1.75	Hyattsville	1.85	2.27						* 1.00	* 1.50	1.75	2.20		
Herbert Bryant Inc., Alexandria, Va., (Continued)														
§Pulverized Sheep Manure 1.85—T.P.A. 1-1.75	Silver Spring	1.85	2.13						* 1.00	* 1.70	1.75	2.02		
Sulphate of Ammonia 20.56-0-0	Silver Spring	20.56	20.60											
High Grade Acid Phosphate 0-16-0	Silver Spring							.20	16.00	17.10				
Chewsville Cooperative Assoc., Inc., Chewsville, Md.														
Fruit & Vegetable Mixture 6-6-5	Chewsville	6.00	5.73	5.00	4.41	1.00	1.32	.30	6.00	7.50	5.00	5.08	256	B
Perfection 4-8-7	Chewsville	4.00	4.00	3.00	2.72	1.00	1.28	.60	8.00	9.50	7.00	7.53	30	B
Crop Producer 3-12-6	Chewsville	3.00	2.99	2.00	1.74	1.00	1.25	.90	12.00	13.30	6.00	6.21	122	A
Golden Harvest 2-9-5	Chewsville	2.00	2.19	1.00	1.12	1.00	1.07	.60	9.00	10.60	5.00	5.67	315	B
Phosphate & Potash 0-12-5	Chewsville							.40	12.00	14.60	5.00	5.35		
Superphosphate 0-16-0	Chewsville							.60	16.00	18.20				
Chilean Nitrate Sales Corp., New York, N. Y.														
Champion Brand Chilean Nitrate of Soda 16-0-0	Baltimore	16.00	16.00											
L. Otis Corkran & Co., Rhodesdale, Md.														
6-6-6	Rhodesdale	6.00	6.09	4.80	4.60	1.20	1.49	.30	6.00	6.80	6.00	6.21	116	A
6-6-6	Rhodesdale	6.00	6.22	4.80	4.45	1.20	1.77	.50	6.00	6.30	6.00	6.52	86	A
4-7-9	Rhodesdale	4.00	4.04	2.80	2.58	1.20	1.46	.60	7.00	7.80	9.00	10.48	11	A
2-7-7	Rhodesdale	2.00	2.02	.50	.51	1.50	1.51	.30	7.00	7.50	7.00	7.76	541	B
2-7-7	Rhodesdale	2.00	1.95	.50	.17	1.50	1.78	.50	7.00	7.00	7.00	7.22	676	B
1-10-10	Rhodesdale	1.00	1.04	.30	.17	.70	.87	.40	10.00	10.00	10.00	12.26	232	B
1-10-10	Rhodesdale	1.00	1.14	.30	.14	.70	1.00	.70	10.00	10.30	10.00	10.40	199	B
Davison Chemical Corp., Baltimore, Md.														
Pomo Food 10-6-4	Baltimore	10.00	9.66	8.00	7.98	2.00	1.68	2.90	6.00	6.10	4.00	4.34	417	A
Ober's Tobacco Fertilizer 10-5-2	Baltimore	10.00	10.06	8.50	8.56	1.50	1.50	.50	5.00	5.20	2.00	2.29	784	A
Ober's Tobacco Fertilizer 8-5-2	Huntingtown	8.00	8.39	6.80	7.19	1.20	1.20	.30	5.00	5.40	2.00	2.56	649	A
Ober's Tobacco Fertilizer 8-5-2	Waldorf	8.00	8.11	6.80	6.96	1.20	1.15	.30	5.00	5.40	2.00	2.80	619	A
Ober's Tobacco Fertilizer 8-5-2	Baltimore	8.00	8.22	6.80	6.98	1.20	1.24	.50	5.00	5.10	2.00	2.40	387	A
Ober's Tobacco Fertilizer 6-6-8	St. Leonards	6.00	6.18	5.10	5.17	.90	1.01	.50	6.00	6.10	8.00	8.50	435	A
Ober's Tobacco Fertilizer 6-6-8	Huntingtown	6.00	6.05	5.10	4.89	.90	1.16	.50	6.00	6.10	8.00	8.00	390	A
Ober's Tobacco Fertilizer 6-6-8	Baltimore	6.00	6.19	5.10	5.14	.90	1.05	.60	6.00	6.10	8.00	8.50	368	A
Ober's Tobacco Fertilizer 6-6-8	Baltimore	6.00	6.12	5.10	5.24	.90	.88	.60	6.00	6.00	8.00	8.38	436	A
Miller 6-6-5 Fertilizer	Baltimore	6.00	5.86	3.60	3.59	2.40	2.27	.40	6.00	6.90	5.00	5.39	320	A
Davco 6-6-5 Fertilizer	Baltimore	6.00	5.97	3.60	3.70	2.40	2.27	.50	6.00	6.70	5.00	5.28	297	A
Davco 6-6-5 Fertilizer	Baltimore	6.00	6.00	3.60	3.76	2.40	2.24	.60	6.00	6.50	5.00	5.42	341	A
Davco Homogeneous Granulated Fertilizer 6-6-5	Denton	6.00	5.62	6.00	5.14		.48	.50	6.00	6.80	5.00	5.28	75	B
Millers 5-8-12 Fertilizer	Baltimore	5.00	5.11	4.00	4.02	1.00	1.09	.40	8.00	8.10	12.00	12.54	403	A

‡Not licensed at time of sale. †Total Phosphoric Acid guarantee on sack differs from license. §Potash guarantee on sack differs from license. *Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Davison Chemical Corp., Baltimore, Md., (Cont'd)													
Davco 4-8-10 Fertilizer	Baltimore	4.00	4.24	3.20	3.30	.80	.94	.70	8.00	8.50	10.00	10.50	251 A
Ober's Tobacco Fertilizer 4-8-10	Baltimore	4.00	3.71	2.80	2.58	1.20	1.13	.70	8.00	9.00	10.00	9.60	192 A
Millers 4-8-7 Fertilizer	Baltimore	4.00	4.21	3.20	3.17	.80	1.04	.60	8.00	8.60	7.00	7.37	107 A
Millers 4-8-7 Fertilizer	Lineboro	4.00	4.00	3.20	3.23	.80	.77	.60	8.00	8.40	7.00	7.60	230 A
Millers 4-8-7 Fertilizer	Baltimore	4.00	3.97	3.20	3.19	.80	.78	.70	8.00	8.00	7.00	7.76	212 A
Ober's 4-8-7 Fertilizer	Baltimore	4.00	4.00	3.20	3.26	.80	.74	.70	8.00	8.60	7.00	7.25	143 A
Ober's 4-8-7 Fertilizer	Baltimore	4.00	4.02	3.20	3.29	.80	.73	.60	8.00	8.40	7.00	7.76	241 A
Groall Potato Special 4-8-7	Baltimore	4.00	4.16	3.20	3.12	.80	1.04	.80	8.00	8.40	7.00	7.06	12 A
Groall Potato Special 4-8-7	Baltimore	4.00	3.99	3.20	3.27	.80	.72	.60	8.00	8.50	7.00	7.58	209 A
Groall Potato Special 4-8-7	Frederick	4.00	3.86	3.20	3.16	.80	.70	.70	8.00	8.10	7.00	7.76	158 A
Groall Potato Special 4-8-7	Myersville	4.00	4.04	3.20	3.40	.80	.64	.70	8.00	8.30	7.00	7.92	154 A
Groall Potato Special 4-8-7	Reid	4.00	4.07	3.20	3.31	.80	.76	.60	8.00	8.40	7.00	7.76	152 A
Groall Golden Sheaf 3-12-6	Baltimore	3.00	3.00	2.40	2.49	.60	.51	.70	12.00	12.40	6.00	6.30	197 A
Millers 3-12-6	Baltimore	3.00	2.98	2.40	2.30	.60	.68	1.00	12.00	12.00	6.00	6.98	194 A
Millers 3-12-6	Lineboro	3.00	3.03	2.40	2.32	.60	.71	.60	12.00	12.20	6.00	6.44	225 A
Davco 3-8-10 Fertilizer	Baltimore	3.00	3.00	2.40	2.35	.60	.65	.50	8.00	8.50	10.00	10.40	131 A
Millers 3-8-10 Fertilizer	Baltimore	3.00	2.98	2.40	2.32	.60	.66	.50	8.00	8.40	10.00	10.24	130 A
Davco Super Fish Brand 2-12-6	Baltimore	2.00	2.06	.80	1.10	1.20	.96	1.30	12.00	12.30	6.00	6.60	51 A
Davco 2-12-6 Fertilizer	Baltimore	2.00	1.99	1.60	1.47	.40	.52	1.10	12.00	12.70	6.00	6.21	132 A
Groall Grain Food 2-12-4	Baltimore	2.00	2.02	1.60	1.57	.40	.45	.80	12.00	12.50	4.00	4.26	115 A
Millers 2-12-4 Fertilizer	Baltimore	2.00	2.05	1.60	1.57	.40	.48	.80	12.00	12.40	4.00	4.19	96 A
Ober's 2-12-4 Fertilizer	Baltimore	2.00	2.01	1.60	1.54	.40	.47	.80	12.00	12.30	4.00	4.24	105 A
Groall Excelsior 2-9-5	Baltimore	2.00	2.02	1.60	1.59	.40	.43	.70	9.00	9.40	5.00	5.12	122 A
Groall Excelsior 2-9-5	Baltimore	2.00	2.06	1.60	1.64	.40	.42	.50	9.00	9.40	5.00	5.67	118 A
Groall Excelsior 2-9-5	Baltimore	2.00	2.02	1.60	1.63	.40	.39	.40	9.00	9.40	5.00	5.40	113 A
Groall Excelsior 2-9-5	Frederick	2.00	2.19	1.60	1.85	.40	.34	.50	9.00	9.50	5.00	5.90	168 B
Millers 2-9-5 Fertilizer	Baltimore	2.00	1.98	1.60	1.54	.40	.44	.70	9.00	9.10	5.00	5.00	101 A
Millers 2-9-5 Fertilizer	Baltimore	2.00	2.15	1.60	1.60	.40	.55	.30	9.00	9.80	5.00	5.40	86 A
Millers 2-9-5 Fertilizer	Baltimore	2.00	2.01	1.60	1.57	.40	.44	.60	9.00	9.10	5.00	5.28	109 A
Ober's 2-9-5 Fertilizer	Baltimore	2.00	2.04	1.60	1.54	.40	.50	.70	9.00	9.10	5.00	5.12	113 A
Ober's 2-9-5 Fertilizer	Baltimore	2.00	2.19	1.60	1.61	.40	.58	.60	9.00	9.40	5.00	5.40	75 A
Ober's 2-9-5 Fertilizer	Baltimore	2.00	2.11	1.60	1.60	.40	.51	.60	9.00	9.40	5.00	5.35	102 A
Groall Imperial 2-8-10	Baltimore												

Millers 2-9-5 Fertilizer	Baltimore	2.00	2.01	1.60	1.57	.40	.44	.60	9.00	9.10	5.00	5.28	109	A
Ober's 2-9-5 Fertilizer	Baltimore	2.00	2.04	1.60	1.54	.40	.50	.70	9.00	9.10	5.00	5.12	113	A
Ober's 2-9-5 Fertilizer	Baltimore	2.00	2.19	1.60	1.61	.40	.58	.60	9.00	9.40	5.00	5.40	75	A
Ober's 2-9-5 Fertilizer	Baltimore	2.00	2.11	1.60	1.60	.40	.51	.60	9.00	9.40	5.00	5.35	102	A
Groall Imperial 2-8-10	Baltimore	2.00	1.98	1.60	1.54	.40	.44	.40	8.00	8.30	10.00	10.08	122	A
Groall Imperial 2-8-10	Baltimore	2.00	2.04	1.60	1.57	.40	.47	.40	8.00	8.20	10.00	10.54	114	A
Millers 2-8-10 Fertilizer	Baltimore	2.00	1.97	1.60	1.57	.40	.40	.50	8.00	8.40	10.00	10.40	134	A
Millers 2-8-10 Fertilizer	Baltimore	2.00	2.05	1.60	1.57	.40	.48	.60	8.00	8.10	10.00	10.80	100	A
Millers 2-8-10 Fertilizer	Baltimore	2.00	2.16	1.60	1.69	.40	.47	.50	8.00	8.00	10.00	10.08	141	A
Ober's 2-8-10 Fertilizer	Baltimore	2.00	2.01	1.60	1.60	.40	.41	.50	8.00	8.40	10.00	10.24	106	A
Ober's 2-8-10 Fertilizer	Baltimore	2.00	2.02	1.60	1.59	.40	.43	.60	8.00	8.20	10.00	10.70	119	A
Davco 1-10-5 Fertilizer	Baltimore	1.00	1.05	.80	.83	.20	.22	.60	10.00	10.50	5.00	5.42	14	A
Davco 1-10-5 Fertilizer	Frederick	1.00	1.15	.80	.76	.20	.39	.60	10.00	9.70	5.00	5.20	372	B
Davison Fine Bone Meal 2.47—T.P.A. 23-0	Frederick	2.47	2.95						*23.00	*24.00				
Davco 0-10-10 Fertliizer	Baltimore							.80	10.00	10.00	10.00	10.50		
Groall Potash Special 0-12-5	Baltimore							1.30	12.00	11.70	5.00	5.16		
Groall Potash Special 0-12-5	Baltimore							1.40	12.00	11.40	5.00	5.35		
Millers 0-12-5 Fertilizer	Baltimore							1.40	12.00	11.50	5.00	5.24		
Millers 0-12-5 Fertilizer	Baltimore							1.40	12.00	11.40	5.00	5.35		
Davco Superphosphate 0-16-0	Baltimore							1.00	16.00	16.80				
Groall Dissolved Phosphate 0-16-0	Mauganville							1.10	16.00	16.60				
Groall Dissolved Phosphate 0-16-0	Myersville							1.00	16.00	16.70				
Groall Dissolved Phosphate 0-16-0	Baltimore							1.40	16.00	16.20				
Millers Superphosphate 0-16-0	Frederick							.90	16.00	17.10				
Davison Muriate of Potash 0-0-50	Baltimore										50.00	50.00		
Davison High Grade Kainit 0-0-20											20.00	22.04		
Devilbiss Bros., New Windsor, Md.														
4-8-7	New Windsor	4.00	4.58	3.50	4.23	.50	.35	.70	8.00	8.40	7.00	7.60	54	A
2-12-6	New Windsor	2.00	2.34	1.80	2.06	.20	.28	.80	12.00	12.70	6.00	6.83	37	A
Butcher House 2-9-5	New Windsor	2.00	2.46	1.60	2.01	.40	.45	.40	9.00	10.30	5.00	7.14	1	B
Wheat Grower 1-10-5	New Windsor	1.00	1.28	.80	.98	.20	.30	.70	10.00	11.40	5.00	5.90	64	B
Superphosphate 0-18-0	New Windsor							.20	18.00	20.20				
Dorchester Fertilizer Co., Cambridge, Md.														
Dorco Champion 6-6-5	Vienna	6.00	5.97	4.20	3.99	1.80	1.98	1.10	6.00	6.50	5.00	5.44	16	B
Dorco Champion 6-6-5	Cambridge	6.00	5.97	4.20	4.03	1.80	1.94	1.10	6.00	6.60	5.00	5.28	24	A
Dorco Champion 6-6-5	Cambridge	6.00	6.09	4.20	4.18	1.80	1.91	.80	6.00	6.50	5.00	5.35	30	A
Dorco Jewel 5-8-12	Vienna	5.00	4.97	3.00	2.94	2.00	2.03	1.50	8.00	8.10	12.00	12.50	11	B
Dorco Jewel 5-8-12	Cambridge	5.00	5.15	3.00	2.98	2.00	2.17	1.40	8.00	8.00	12.00	12.50	60	A
Dorco Jewel 5-8-12	Cambridge	5.00	5.04	3.00	3.03	2.00	2.01	.80	8.00	8.60	12.00	12.54	13	A
Dorco Regal 4-8-7	Vienna	4.00	4.03	3.75	3.56	.25	.47	.30	8.00	8.70	7.00	7.60	47	B

*Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Dorchester Fertilizer Co., Cambridge, Md., Continued)													
Dorco Regal 4-8-7	Cambridge	4.00	3.99	3.75	3.06	.25	.93	.80	8.00	8.40	7.00	7.92	45 B
Dorco Regal 4-8-7	Cambridge	4.00	4.16	3.75	3.29	.25	.87	.70	8.00	8.80	7.00	7.53	1 B
Trucker 4-8-5	Cambridge	4.00	4.17	3.90	4.07	.10	.10	.40	8.00	8.60	5.00	5.90	50 B
Trucker 4-8-5	Cambridge	4.00	4.14	3.90	4.11	.10	.03	.40	8.00	8.60	5.00	5.82	7 B
Imperial 3-12-6	Cambridge	3.00	3.19	2.10	2.22	.90	.97	1.50	12.00	12.10	6.00	6.83	46 A
Ideal 3-8-15	Cambridge	3.00	3.14	2.50	2.75	.50	.39	.40	8.00	8.10	15.00	16.20	43 A
Dorco Royal 3-8-10	Cambridge	3.00	3.12	2.75	2.67	.25	.45	.40	8.00	8.60	10.00	11.64	38 B
Dorco Royal 3-8-10	Cambridge	3.00	3.12	2.75	2.92	.25	.20	.40	8.00	8.60	10.00	11.02	38 B
Producer 2-9-5	Cambridge	2.00	2.09	1.90	1.94	.10	.15	.50	9.00	9.50	5.00	5.35	81 B
Favorite 2-8-10	Cambridge	2.00	2.02	1.90	1.83	.10	.19	.30	8.00	8.70	10.00	10.56	59 B
Favorite 2-8-10	Cambridge	2.00	2.27	1.90	2.13	.10	.14	1.00	8.00	8.10	10.00	10.00	95 B
Standard 0-10-10	Cambridge	.....	.....	.....	.....	.....	.....	.90	10.00	9.60	10.00	11.02	
Standard 0-10-10	Cambridge	.....	.....	.....	.....	.....	.....	.80	10.00	9.90	10.00	10.56	
Superphosphate 0-16-0	Cambridge	.....	.....	.....	.....	.....	.....	1.00	16.00	16.00	.....	.....	
Eastern States Farmers' Exchange, West Springfield, Mass.													
Eastern States 4-8-8	Hebron	4.00	4.52	4.00	3.67	.....	.85	.50	8.00	9.20	8.00	9.16	55 B
Edelen Bros., Baltimore, Md.													
Edelen's Tobacco Bed 10-5-2	Baltimore	10.00	10.19	8.50	8.55	1.50	1.64	.20	5.00	5.50	2.00	2.56	700 A
Edelen's Tobacco Bed 10-5-2	Baltimore	10.00	10.00	8.50	8.68	1.50	1.32	.40	5.00	5.10	2.00	2.34	778 A
Edelen's H. G. Tobacco 4-8-12	Baltimore	4.00	3.97	3.25	3.26	.75	.71	.80	8.00	8.80	12.00	12.60	195 A
Edelen's Red Tobacco 3-8-10	Baltimore	3.00	3.02	2.50	2.47	.50	.55	.60	8.00	8.30	10.00	10.08	165 A
Edelen's Wheat & Grain 2-9-5	Baltimore	2.00	1.99	1.50	1.24	.50	.75	.70	9.00	9.80	5.00	5.50	219 B
Farmers Cooperative Association, Inc., Frederick, Md.													
Spring Special 4-8-7	Frederick	4.00	4.24	3.20	3.47	.80	.77	.50	8.00	8.60	7.00	11.18	165 A
Sure Crop 2-12-6	Frederick	2.00	2.13	1.60	1.29	.40	.84	.70	12.00	13.20	6.00	7.29	56 A
Wheat & Grass Special 2-9-5	Frederick	2.00	2.27	1.60	1.57	.40	.70	.50	9.00	10.10	5.00	6.23	5 A
Superphosphate 0-16-0	Frederick	.....	.....	.....	.....	.....	.....	.70	16.00	14.10	.....	.....	

Wheat & Grass Special 2-9-5	Frederick	2.00	2.27					.70	16.00	14.10				
Superphosphate 0-16-0	Frederick													
Farmers Fertilizer & Feed Co., Westminster, Md.														
Truckers Delight 4-8-7	Westminster	4.00	4.03	3.50	3.44	.50	.59	.50	8.00	8.50	7.00	7.37	2	B
Superior 2-12-6	Westminster	2.00	2.13	1.40	1.57	.60	.56	.70	12.00	12.00	6.00	6.60	26	A
High Grade 2-9-5	Westminster	2.00	2.05	1.40	1.46	.60	.59	.80	9.00	9.30	5.00	5.35	26	A
Farmers Potash Special 2-8-10	Westminster	2.00	1.98	1.40	1.52	.60	.46	.70	8.00	8.10	10.00	10.40	19	B
Farmers Favorite 1-10-5	Westminster	1.00	1.19	.50	.67	.50	.52	.90	10.00	10.10	5.00	5.28	63	B
Superphosphate & Potash 0-12-5	Westminster							1.50	12.00	11.20	5.00	5.35		
†Superphosphate 0-20-0	Westminster							.20	20.00	20.00				
Superphosphate 0-16-0	Westminster							1.30	16.00	16.20				
Farmers & Planters Co., Salisbury, Md.														
Special High Grade 6-6-5	Salisbury	6.00	5.84	4.50	4.60	1.50	1.24	.50	6.00	6.50	5.00	5.20	28	B
Special High Grade 6-6-5	Pocomoke City	6.00	5.97	4.50	3.89	1.50	2.08	.70	6.00	6.00	5.00	5.00	37	B
Special High Grade 6-6-5	Salisbury	6.00	5.98	4.50	4.03	1.50	1.95	.70	6.00	6.00	5.00	5.12	3	A
Early Truck 5-8-12	Salisbury	5.00	4.91	3.50	3.97	1.50	.94	.70	8.00	8.60	12.00	12.40	215	A
‡F & P Brand 4-8-7	Pocomoke City	4.00	3.97	1.00	3.06	3.00	.91	.80	8.00	8.00	7.00	10.02	75	B
Early Vegetable 4-8-5	Pocomoke City	4.00	4.02	2.80	3.01	1.20	1.01	.20	8.00	9.70	5.00	6.05	60	B
Early Vegetable 4-8-5	Salisbury	4.00	3.99	2.80	2.81	1.20	1.18	.50	8.00	8.50	5.00	5.82	144	B
XX Potash Mixture 3-8-10	Pocomoke City	3.00	3.10	2.10	2.29	.90	.81	.80	8.00	8.00	10.00	10.00	116	B
F & P Acid Phosphate 0-16-0	Salisbury							.40	16.00	16.30				
Griffith & Boyd Co., Baltimore, Md.														
G. & B. Co's H.G. Truck Guano 4-8-7	Baltimore	4.00	4.09	3.20	3.07	.80	1.02	.30	8.00	8.60	7.00	7.45	225	A
G. & B. Co's H.G. Truck Guano 4-8-7	Baltimore	4.00	4.02	3.20	3.07	.80	.95	.30	8.00	8.80	7.00	7.37	153	A
G. & B. Co's Truckers Special 4-8-5	Fallston	4.00	4.07	3.20	3.20	.80	.87	.20	8.00	8.60	5.00	5.42	231	A
G. & B. Co's Truckers Special 4-8-5	Baltimore	4.00	4.11	3.20	3.20	.80	.91	.20	8.00	8.80	5.00	5.67	223	A
G. & B. Co's Truckers Special 4-8-5	Baltimore	4.00	4.04	3.20	3.13	.80	.91	.40	8.00	9.00	5.00	5.12	205	A
G. & B. Co's Truckers Special 4-8-5	Baltimore	4.00	3.90	3.20	3.00	.80	.90	.40	8.00	9.20	5.00	5.35	260	A
G. & B. Co's Special Potato Fertilizer 3-8-8	Baltimore	3.00	3.13	2.10	2.32	.90	.81	.30	8.00	8.70	8.00	8.80	161	A
G. & B. Co's Special Potato Fertilizer 3-8-8	Baltimore	3.00	3.00	2.10	2.33	.90	.67	.60	8.00	8.90	8.00	8.08	84	A
G. & B. Co's Reliable Crop Grower 2-12-4	Fallston	2.00	2.30	1.40	1.61	.60	.69	.50	12.00	12.50	4.00	4.74	46	A
G. & B. Co's Reliable Crop Grower 2-12-4	Baltimore	2.00	2.08	1.40	1.38	.60	.70	.50	12.00	12.40	4.00	4.97	48	A
G. & B. Co's Special Guano 2-9-5	Fallston	2.00	2.02	1.40	1.33	.60	.69	.40	9.00	10.00	5.00	5.56	47	B
G. & B. Co's Special Guano 2-9-5	Fallston	2.00	2.01	1.40	1.36	.60	.65	.30	9.00	9.70	5.00	5.42	1	A
G. & B. Co's Special Guano 2-9-5	Baltimore	2.00	2.13	1.40	1.50	.60	.63	.30	9.00	9.50	5.00	5.54	25	B
G. & B. Co's Gilt Edge Crop Guano 2-8-10	Fallston	2.00	1.99	1.40	1.41	.60	.58	.20	8.00	8.70	10.00	10.80	67	A
G. & B. Co's Pure Fine Ground Bone Meal 3.70—T.P.A. 20-0	Fallston	3.70	3.99						*20.00	*23.00				

‡Not licensed at time of sale.

*Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Griffith & Boyd, Baltimore, Md., (Continued)													
G. & B. Co's Pure Fine Ground Bone Meal 3.70—T.P.A. 20-0	Baltimore	3.70	3.83						*20.00	*22.30			
G. & B. Co's Pure Fine Ground Bone Meal 3.70—T.P.A. 20-0	Baltimore	3.70	3.78						*20.00	*23.10			
‡G. & B. Co's Sulphate of Ammonia 20.50-0-0	Baltimore	20.50	20.54										
G. & B. Co's Acid Phosphate 0-20-0	Baltimore							.60	20.00	20.30			
‡Muriate of Potash 0-0-60	Baltimore										60.00	60.10	
‡G. & B. Co's Kainit 0-0-20	Baltimore										20.00	22.62	
Griffith & Turner Co., Baltimore, Md.													
G. & T. Co's Grass Fertilizer 9-5-2	Baltimore	9.00	8.70	7.20	7.38	1.80	1.32	.20	5.00	6.50	2.00	2.56	557 A
G. & T. Co's Garden Fertilizer 4-8-7	Baltimore	4.00	3.90	3.20	3.08	.80	.82	.20	8.00	9.30	7.00	7.14	245 A
G. & T. Co's Rose Fertilizer 3-12-6	Baltimore	3.00	3.37	2.10	2.27	.90	1.10	.40	12.00	12.80	6.00	6.44	171 A
G. & T. Co's Soft Ground Bone 3—T.P.A. 14-0	Baltimore	3.00	2.63						*14.00	*17.40			
G. & T. Co's Soft Ground Bone 3—T.P.A. 14-0	Baltimore	3.00	2.90						*14.00	*16.00			
Hampstead Feritlizer Co., Hampstead, Md.													
Hampstead's 4-8-7	Hampstead	4.00	3.99	3.25	1.93	.75	2.06	.50	8.00	8.30	7.00	7.53	56 A
Hampstead's 2-9-5	Hampstead	2.00	1.99	1.50	1.57	.50	.42	.60	9.00	9.40	5.00	5.40	22 B
Hampstead's 1-10-5	Hampstead	1.00	.91	.60	.51	.40	.40	.30	10.00	10.50	5.00	5.82	289 B
Hampstead's Superphosphate 0-16-0	Hampstead							1.10	16.00	16.30			
A. H. Hoffman, Inc., Landisville, Pa.													
Hoffman's Plant Food 5-8-6	Baltimore	5.00	5.11	3.50	2.85	1.50	2.26	.90	8.00	10.60	6.00	6.52	
Hoffman's Cow Manure 2—T.P.A. 2-2	Baltimore	2.00	2.39						* 2.00	* 1.50	2.00	2.25	
Hoffman's Sheep Manure 1.85—T.P.A. 1-2	Baltimore	1.85	1.88						* 1.00	* 1.10	2.00	2.50	
W. J. Hooper, Owings Mills, Md.													
Egyptian Grower 2.70 –T.P.A. 1.60-1.28	Owings Mills	2.70	3.03						* 1.60	* 1.90	1.28	1.63	

W. J. Hooper, Owings Mills, Md.														
Egyptian Grower 2.70 –T.P.A. 1.60-1.28	Owings Mills	2.70	3.03											
Horsey, Roe & Co., Greensboro, Md.														
Gromore 6-8-5	Greensboro	6.00	6.22	4.00	4.41	2.00	1.81	.40	8.00	8.30	5.00	6.13	113	A
Gromore 6-8-5	Greensboro	6.00	6.22	4.00	4.12	2.00	2.10	.40	8.00	8.70	5.00	6.05	93	A
Suregro 3-8-10	Greensboro	3.00	3.54	1.50	2.19	1.50	1.35	.80	8.00	8.30	10.00	11.18	179	A
Suregro 3-8-10	Greensboro	3.00	3.17	1.50	1.38	1.50	1.79	.50	8.00	8.50	10.00	10.60	183	B
Huston, Culver & Co., Seaford, Del.														
Huston, Culver & Co's 6% 6-6-5		6.00	6.12	5.00	3.73	1.00	2.39	.70	6.00	8.00	5.00	5.04	99	A
Potato Special 6-6-5	Federalsburg	6.00	6.00	4.50	4.28	1.50	1.72	.20	6.00	6.90	5.00	6.68	70	A
Culver's Special 4-8-10		4.04	4.03	3.00	3.14	1.00	.89	.50	8.00	8.10	10.00	9.48	108	A
Huston, Culver & Co's Special 4-8-7	Federalsburg	4.00	5.28	3.00	3.62	1.00	1.66	.50	8.00	7.80	7.00	5.28	58	B
Huston, Culver & Co's Special 4-8-7	Federalsburg	4.00	4.35	3.00	2.86	1.00	1.49	.20	8.00	8.00	7.00	5.51	119	B
Trucker 4-8-5	Federalsburg	4.00	4.73	3.00	3.51	1.00	1.22	.50	8.00	7.90	5.00	5.98	17	B
Trucker 4-8-5		4.00	4.21	3.00	3.66	1.00	.55	.20	8.00	8.00	5.00	6.29	94	B
Trucker 4-8-5	Federalsburg	4.00	4.59	3.00	2.90	1.00	1.69	.20	8.00	8.00	5.00	5.42	80	B
Rock & Kainit 0-8-8	Federalsburg							.30	8.00	6.90	8.00	11.48		
Interstate Chemical Mfg. Co., Jersey City, N. J.														
F. & I. Ground Tobacco Stems 1.75—T.P.A. 25-3.50	Baltimore	1.75	1.94						* .25	* 1.00	3.50	6.13		
Maryland Milling & Supply Co., Sykesville, Md.														
M.M. & S. Co. Potato Guano 6-6-5	Reisterstown	6.00	5.89					.20	6.00	7.20	5.00	5.67		
M.M. & S. Co. Potato Guano 6-6-5	Sykesville	6.00	6.05	5.50	5.64	.50	.41	.20	6.00	7.60	5.00	5.50	532	A
M.M. & S. Co. Potato Guano 6-6-5	Sykesville	6.00	6.11	5.50	4.24	.50	1.87	.20	6.00	7.40	5.00	5.98	514	A
M.M. & S. Co. Potato Guano 6-6-5	Sykesville	6.00	6.28					.20	6.00	7.30	5.00	5.98		
Forthman's Special 5-10-5	Sykesville	5.00	5.10	4.75	5.03	.25	.07	.20	10.00	10.90	5.00	5.48	518	A
Forthman's Special 5-10-5	Sykesville	5.00	5.01	4.75	4.77	.25	.24	.20	10.00	10.90	5.00	5.46	475	A
Trucker's Favorite 5-8-5	Sykesville	5.00	5.05					.20	8.00	8.90	5.00	5.43		
M.M. & S. Co. Tomato-Corn 4-8-7	Sykesville	4.00	4.24	3.75	4.02	.25	.22	.20	8.00	9.20	7.00	7.45	297	A
M.M. & S. Co. Tomato-Corn 4-8-7	Sykesville	4.00	4.17	3.75	3.86	.25	.31	.20	8.00	9.10	7.00	7.92	335	A
1937 Crop Mixture 2-12-5	Sykesville	2.00	2.02	1.75	1.85	.25	.17	.20	12.00	13.10	5.00	6.13	128	A
1937 Crop Mixture 2-12-5	Sykesville	2.00	2.12	1.75	1.90	.25	.22	.30	12.00	13.20	5.00	5.82	165	A
General Crop 2-12-4	Sykesville	2.00	2.13					.20	12.00	12.40	4.00	5.59		
Newman's Favorite 2-9-5	Sykesville	2.00	2.02	1.50	1.45	.50	.57	.30	9.00	10.30	5.00	5.48	1	A
Newman's Favorite 2-9-5	Sykesville	2.00	2.01	1.50	1.56	.50	.45	.40	9.00	10.50	5.00	6.13	47	B
Dietrich's Favorite 1-10-5	Sykesville	1.00	.81	.75	.59	.25	.22	.70	10.00	10.60	5.00	6.29	81	B
Dietrich's Favorite 1-10-5	Sykesville	1.00	2.02	.75	1.68	.25	.34	.40	10.00	10.60	5.00	5.98	47	B
Phosphate & Potash 0-12-5	Sykesville							1.00	12.00	12.20	5.00	6.68		
H. G. Superphosphate 0-16-0	Reisterstown							.30	16.00	16.30				
H. G. Superphosphate 0-16-0	Sykesville							.40	16.00	17.20				

‡Not licensed at time of sale.

*Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Maryland Tobacco Growers' Assn., Baltimore, Md.													
Md. Assoc. Brand 10-5-2	Huntingtown	10.00	**10.15**	9.00	**9.72**	1.00	**.43**	**.40**	5.00	**5.20**	2.00	**2.24**	**693** A
Md. Assoc. Brand 6-6-8	Huntingtown	6.00	**6.28**	5.10	**5.76**	.90	**.52**	**.30**	6.00	**5.70**	8.00	**8.24**	**153** A
Md. Assoc. Brand 6-6-5	Baltimore	6.00	**5.70**	4.50	**4.08**	1.50	**1.62**	**.40**	6.00	**6.90**	5.00	**5.12**	**264** A
Md. Assoc. Brand 4-8-12 For Tobacco	Baltimore	4.00	**3.99**	3.20	**2.41**	.80	**1.58**	**.90**	8.00	**8.60**	12.00	**12.26**	**207** A
Md. Assoc. Brand 4-8-12 For Tobacco	Baltimore	4.00	**3.98**	3.20	**3.30**	.80	**.68**	**.50**	8.00	**8.30**	12.00	**12.10**	**156** A
Md. Assoc. Brand 4-8-10 For Tobacco	Baltimore	4.00	**3.99**	3.20	**2.95**	.80	**1.04**	**.80**	8.00	**8.50**	10.00	**10.40**	**215** A
Md. Assoc. Brand 4-8-10 For Tobacco	Baltimore	4.00	**3.99**	3.20	**3.08**	.80	**.91**	**.70**	8.00	**8.80**	10.00	**10.50**	**202** A
‡Md. Assoc. Brand 4-8-7 For Tobacco	Baltimore	4.00	**3.59**	3.20	**2.89**	.80	**.70**	**.60**	8.00	**8.60**	7.00	**7.84**	**225** A
Md. Assoc. Brand 4-8-5	Baltimore	4.00	**4.03**	3.00	**2.97**	1.00	**1.06**	**.60**	8.00	**8.40**	5.00	**5.12**	**151** A
Md. Assoc. Brand 2-9-5	Baltimore	2.00	**2.04**	1.50	**1.43**	.50	**.61**	**.60**	9.00	**9.10**	5.00	**5.28**	**60** A
Md. Assoc. Brand 2-9-5	Baltimore	2.00	**2.05**	1.50	**1.38**	.50	**.67**	**.60**	9.00	**9.50**	5.00	**5.12**	**20** A
Md. Assoc. Brand 2-9-5	Baltimore	2.00	**2.02**	1.50	**1.43**	.50	**.59**	**.60**	9.00	**9.40**	5.00	**5.04**	**49** A
Md. Assoc. Brand 2-9-5	Baltimore	2.00	**1.87**	1.50	**1.15**	.50	**.72**	**.70**	9.00	**9.90**	5.00	**5.28**	**263** B
Md. Assoc. Brand 2-9-5	Baltimore	2.00	**2.11**	1.50	**1.47**	.50	**.64**	**.60**	9.00	**9.50**	5.00	**5.00**	**108** B
Md. Assoc. Brand 2-9-5	Baltimore	2.00	**2.19**	1.60	**1.92**	.40	**.27**	**.50**	8.00	**8.00**	10.00	**10.40**	**28** B
Md. Assoc. Brand 2-8-10 For Tobacco	Baltimore	.....	.....	.....	.....	.....	.....	**1.00**	16.00	**16.00**	.....	.....	
Md. Assoc. Brand Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	**.90**	16.00	**16.80**	.....	.....	
Md. Assoc. Brand Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	**1.00**	16.00	**16.50**	.....	.....	
Md. Assoc. Brand Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....						
Massey & Wilmer, Inc., Chestertown, Md.													
Tom Jr. 4-8-5	Chestertown	4.00	**3.99**	3.00	**2.98**	1.00	**1.01**	**.30**	8.00	**8.20**	5.00	**5.20**	**69** B
Trustworthy 2-9-5	Chestertown	2.00	**1.99**	1.00	**1.10**	1.00	**.89**	**.40**	9.00	**9.80**	5.00	**5.59**	**278** B
Trustworthy 2-9-5	Chestertown	2.00	**2.02**	1.00	**1.05**	1.00	**.97**	**.50**	9.00	**9.80**	5.00	**5.28**	**294** B
Propagator 2-8-10	Chestertown	2.00	**1.97**	1.00	**1.00**	1.00	**.97**	**.30**	8.00	**8.20**	10.00	**10.40**	**311** B
Crop Producer 1-10-5	Chestertown	1.00	**1.28**	.80	**1.00**	.20	**.28**	**.50**	10.00	**9.80**	5.00	**5.98**	**350** B
0-10-10	Chestertown	.....	.....	.....	.....	.....	.....	**.60**	10.00	**9.90**	10.00	**13.50**	
0-12-5	Chestertown	.....	.....	.....	.....	.....	.....	**1.50**	12.00	**11.70**	5.00	**5.35**	
0-12-5	Chestertown	.....	.....	.....	.....	.....	.....	**1.10**	12.00	**11.70**	5.00	**7.76**	
Master Meat Products Co., Detroit, Mich.													
Master Fertilizer 4—T.P.A. 12-2	Baltimore	4.00	**4.21**	1.50	**1.07**	2.50	**3.14**	.....	*12.00	***11.70**	2.00	**2.20**	
Medford Fertilizer Works, Medford, Md.													
4-8-7	Medford	4.00	**3.72**	3.00	**3.20**	1.00	**.52**						

Master Fertilizer 4—T.P.A. 12-2	Baltimore	4.00	4.21	1.50	1.67									
Medford Fertilizer Works, Medford, Md.														
4-8-7	Medford	4.00	3.72	3.00	3.20	1.00	.52	.30	8.00	9.90	7.00	7.53	162	A
2-12-6	Medford	2.00	2.08	1.50	1.60	.50	.48	.80	12.00	11.60	6.00	6.60	87	A
2-9-5	Medford	2.00	2.09	1.50	1.64	.50	.45	.20	9.00	10.10	5.00	5.00	1	A
2-8-10	Medford	2.00	1.87	1.50	1.47	.50	.40	.60	8.00	10.20	10.00	10.08	216	B
1-10-5	Medford	1.00	1.15	.75	.67	.25	.48	.30	10.00	10.90	5.00	5.35	60	A
0-12-5	Medford							1.30	12.00	12.10	5.00	5.74		
Frederick Mehring Fertilizer Works, Inc., Keymar, Md.														
Mt. Airy Special Pea & Truck 5-10-5	Keymar	5.00	5.08	2.77	2.38	2.23	2.70	1.50	10.00	10.90	5.00	5.44	63	A
Mt. Airy Special Pea & Truck 5-10-5	Keymar	5.00	5.25	2.77	2.41	2.23	2.84	1.60	10.00	10.70	5.00	5.40	112	A
Mehring's Early Truck Guano 4-8-7	Woodsboro	4.00	3.99	3.60	3.51	.40	.48	.30	8.00	8.80	7.00	7.76	61	A
Mehring's Early Truck Guano 4-8-7	Keymar	4.00	3.89	3.60	3.20	.40	.69	.40	8.00	8.00	7.00	7.68	100	A
Mt. Airy Wheat & Corn Special 3-12-6	Mt. Airy	3.00	3.19	1.55	1.12	1.45	2.07	2.00	12.00	11.40	6.00	6.36	10	A
Mehring's Indian Chief 2-12-6	Keymar	2.00	2.04	1.60	1.57	.40	.47	.60	12.00	12.60	6.00	8.38	50	B
Mehring's Wheat & Grass 2-12-4	Keymar	2.00	2.01	1.60	1.67	.40	.34	.50	12.00	12.00	4.00	7.22	94	B
Mehring's Mammouth Truck Grower 2-9-5	Keymar	2.00	1.87	1.60	1.32	.40	.55	.40	9.00	9.00	5.00	6.17	162	B
Mehring's Mammouth Truck Grower 2-9-5	Woodsboro	2.00	1.76	1.60	1.49	.40	.27	.40	9.00	9.00	5.00	6.13	166	B
Mehring's Big 4 1-10-5	Woodsboro	1.00	1.18	.60	.79	.40	.39	.80	10.00	10.40	5.00	5.32	225	B
Mehring's Potash Mixture 0-12-5	Keymar							.40	12.00	12.00	5.00	6.68		
Mehring's Superphosphate 0-16-0	Baltimore							.20	16.00	16.80				
Mehring's Superphosphate 0-16-0	Woodsboro							.90	16.00	16.60				
Meyer Seed Co., Baltimore, Md.														
M-S. Lawn & Plant Food 6-6-5	Baltimore	6.00	5.97	3.60	4.00	2.40	1.97	.70	6.00	6.70	5.00	5.67	7	B
North American Cement Corp., New York, N. Y.														
Security Potash-Lime	Centreville					§ 43.00	§ 43.80	† 2.35	† 2.27		5.00	6.60		
Peerless Fertilizer Co., Chestertown, Md.														
Truckers Pride 6-6-5	Chestertown	6.00	6.00	5.25	5.29	.75	.71	.20	6.00	6.80	5.00	5.50	490	A
Truckers Pride 6-6-5	Chestertown	6.00	5.98	5.25	5.28	.75	.70	.30	6.00	7.00	5.00	7.74	522	A
Truckers Pride 6-6-5	Salisbury	6.00	6.23	5.25	5.45	.75	.78	.50	6.00	6.60	5.00	5.28	526	A
Truckers Pride 6-6-5	Salisbury	6.00	6.11	5.25	5.29	.75	.82	.30	6.00	6.50	5.00	6.67	497	A
5-8-12	Chestertown	5.00	5.22	4.25	4.73	.75	.49	.30	8.00	8.40	12.00	12.40	455	A
5-8-12	Salisbury	5.00	5.56	4.25	4.96	.75	.60	.20	8.00	8.10	12.00	12.54	294	A
5-8-12	Chestertown	5.00	5.28	4.25	4.59	.75	.69	.60	8.00	8.00	12.00	12.88	465	A
5-8-12	Salisbury	5.00	5.41	4.25	4.75	.75	.66	.50	8.00	8.10	12.00	12.40	417	A

‡Not licensed at time of sale.

*Total Phosphoric Acid

§Calcium Oxide. †Magnesium Oxide.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Peerless Fertilizer Co., Chestertown, Md., (Continued)													
Peerless Tomato Special 4-8-10	Salisbury	4.00	4.32	3.50	3.76	.50	.56	.40	8.00	8.00	10.00	10.20	328 A
Peerless Tomato Special 4-8-10	Salisbury	4.00	4.46	3.50	3.93	.50	.53	.30	8.00	8.20	10.00	7.00	288 A
Peerless Tomato Special 4-8-10	Chestertown	4.00	4.62	3.50	3.99	.50	.63	.40	8.00	8.10	10.00	8.52	376 A
Peerless Tomato Special 4-8-10	Salisbury	4.00	4.10	3.50	3.62	.50	.48	.20	8.00	7.80	10.00	11.64	502 A
Melon Special 4-8-7	Salisbury	4.00	4.00	3.50	2.64	.50	1.36	.50	8.00	9.20	7.00	7.76	267 A
4-8-7	Chestertown	4.00	4.48	3.50	3.90	.50	.58	.40	8.00	8.50	7.00	6.60	321 A
4-8-7	Chestertown	4.00	4.10	3.50	3.62	.50	.48	.30	8.00	8.20	7.00	7.29	295 A
4-8-7	Salisbury	4.00	4.11	3.50	3.57	.50	.54	.40	8.00	8.10	7.00	7.60	308 A
Early Trucker 4-8-5	Salisbury	4.00	4.25	3.50	3.76	.50	.49	.40	8.00	8.10	5.00	5.74	323 A
Early Trucker 4-8-5	Chestertown	4.00	4.25	3.50	3.64	.50	.61	.40	8.00	8.30	5.00	5.82	293 A
Early Trucker 4-8-5	Salisbury	4.00	4.16	3.50	3.69	.50	.47	.50	8.00	8.00	5.00	5.44	333 A
Fish Brand Fertilizer 3-8-10	Chestertown	3.00	3.52	2.50	2.92	.50	.60	.30	8.00	8.20	10.00	10.08	265 A
Fish Brand Fertilizer 3-8-10	Salisbury	3.00	3.79	2.50	3.40	.50	.39	.30	8.00	8.60	10.00	9.62	284 A
Fish Brand Fertilizer 3-8-10	Chestertown	3.00	3.26	2.50	2.91	.50	.35	.40	8.00	8.20	10.00	10.00	227 A
Our Peerless 2-9-5	Chestertown	2.00	2.15	1.75	1.92	.25	.23	.60	9.00	9.00	5.00	5.40	154 A
Our Peerless 2-9-5	Chestertown	2.00	2.40	1.75	1.01	.25	1.39	.70	9.00	12.40	5.00	5.54	126 A
2-8-10	Chestertown	2.00	2.19	1.75	1.90	.25	.29	.30	8.00	8.40	10.00	10.24	107 A
‡Muriate of Potash 0-0-50	Salisbury	.....	.....	.....	.....	.....	.....	.....	.....	.....	50.00	46.20	
Superphosphate 0-16-0	Chestertown	.....	.....	.....	.....	.....	.....	.60	16.00	17.80	.....	.....	
J. Richard Phillips, Jr., Berlin, Md.													
Green Top 5-10-6	Berlin	5.00	5.39	3.00	3.10	2.00	2.29	.90	10.00	11.40	6.00	6.36	127 A
Plantabbs Corp., Baltimore, Md.													
Fluton's Plantabbs 11—T.P.A. 15-20	Baltimore	11.00	11.34	.....	.....	.....	.....	.....	*15.00	*19.20	20.00	23.80	
Warner W. Price, Smyrna, Del.													
Ralph's Mixture 3-8-8		3.00	3.00	2.00	1.49	1.00	1.51	.70	8.00	8.40	8.00	8.60	33 B
Double X 2-8-10		2.00	2.27	1.25	1.39	.75	.88	.70	8.00	8.80	10.00	10.40	89 B
Superphosphate 0-16-0		.....	.....	.....	.....	.....	.....	.20	16.00	16.10	.....	.....	

Double X 2-8-10								.20	16.00	16.10				
Superphosphate 0-16-0														
Pulverized Manure Co., Chicago, Ill.														
Wizard Brand Cow Manure 2—T.P.A. 1-1	Baltimore	2.00	2.18						* 1.00	* 1.20	1.00	1.00		
Wizard Brand Pulv'z'd Sheep Manure 2—T.P.A. 1-2	Baltimore	2.00	2.33						* 1.00	* 2.10	2.00	4.34		
Ramsburg Fertilizer Co., Frederick, Md.														
High Grade Trucking Fertilizer 4-8-7	Frederick	4.00	4.13	3.20	3.29	.80	.84	.50	8.00	8.90	7.00	7.76	101	A
Royal Crop Grower 2-12-6	Frederick	2.00	2.02	1.40	1.26	.60	.76	.90	12.00	12.00	6.00	6.25	103	B
Excelsior Plant Food 2-12-4	Frederick	2.00	2.04	1.40	1.21	.60	.83	.90	12.00	12.30	4.00	4.89	82	B
Old Virginia Compound 2-9-5	Frederick	2.00	2.15	1.40	1.60	.60	.55	.50	9.00	9.10	5.00	5.38	169	B
Corn & Potato Fertilizer 1-10-5	Frederick	1.00	1.28	.50	.76	.50	.52	.60	10.00	10.50	5.00	5.74	387	B
Ammoniated Phosphate 1-10-5	Frederick	1.00	1.19	.50	.65	.50	.54	.90	10.00	10.10	5.00	5.67	423	B
Special Rock & Potash 0-12-5	Frederick							.40	12.00	12.20	5.00	5.32		
Superphosphate 0-16-0	Frederick							.30	16.00	16.60				
Read Drug & Chemical Co., Baltimore, Md.														
Plantgro 4-12-4	Baltimore	4.00	4.02	4.00	3.43		.59	3.20	12.00	12.10	4.00	4.74		
Reindollar Co., Taneytown, Md.														
Trucker's Special 4-8-7	Taneytown	4.00	4.17	3.20	3.07	.80	1.10	.50	8.00	8.70	7.00	7.02	17	B
Grain Grower 2-12-6	Taneytown	2.00	2.12	1.40	1.08	.60	1.04	.80	12.00	12.00	6.00	6.52	101	B
Crop Grower 2-9-5	Taneytown	2.00	2.05	1.50	1.47	.50	.58	.30	9.00	9.50	5.00	5.50	48	B
Superphosphate 0-16-0	Taneytown							.20	16.00	17.40				
F. S. Royster Guano Co., Baltimore, Md.														
Royster Tobacco Bed Fertilizer 8-5-2	Baltimore	8.00	8.02	6.40	5.94	1.60	2.08	.30	5.00	5.10	2.00	2.38	15	B
Royster Arrow Truck Guano 6-6-5	Baltimore	6.00	5.88	3.60	3.31	2.40	2.57	.30	6.00	6.60	5.00	5.46	9	A
Royster Arrow Truck Guano 6-6-5	Baltimore	6.00	5.88	3.60	3.29	2.40	2.59	.30	6.00	6.50	5.00	5.67	19	A
Royster Arrow Truck Guano 6-6-5	Baltimore	6.00	6.01	3.60	3.41	2.40	2.60	.20	6.00	6.90	5.00	5.51	21	A
Royster Arrow Truck Guano 6-6-5	Baltimore	6.00	6.02	3.60	3.35	2.40	2.67	.30	6.00	6.60	5.00	5.20	14	A
Royster Arrow Truck Guano 6-6-5	Baltimore	6.00	6.01	3.60	3.54	2.40	2.47	.40	6.00	6.20	5.00	5.48	26	A
Royster Arrow Truck Guano 6-6-5	Baltimore	6.00	5.97	3.60	3.31	2.40	2.66	.50	6.00	6.40	5.00	5.35	33	B
Royster Fonda Guano 5-10-5	Baltimore	5.00	5.48	4.00	4.51	1.00	.97	.60	10.00	10.50	5.00	5.40	373	A
Royster Fonda Guano 5-10-5	Baltimore	5.00	5.14	4.00	3.85	1.00	1.29	.80	10.00	10.70	5.00	5.28	16	A
Royster Fonda Guano 5-10-5	Baltimore	5.00	5.03	4.00	3.91	1.00	1.12	.60	10.00	10.70	5.00	5.24	337	A
Royster Fonda Guano 5-10-5	Baltimore	5.00	5.07	4.00	3.86	1.00	1.21	.60	10.00	10.50	5.00	5.35	298	A
Royster Fertilizer 5-8-12	Baltimore	5.00	5.36	4.00	3.95	1.00	1.41	.40	8.00	8.60	12.00	12.60	72	A
Royster Fertilizer 5-8-12	Baltimore	5.00	4.97	4.00	3.61	1.00	1.36	.50	8.00	9.00	12.00	12.50	81	A
Royster Fertilizer 5-8-12	Baltimore	5.00	5.22	4.00	3.73	1.00	1.49	.30	8.00	8.70	12.00	12.40	115	A
Royster Fertilizer 5-8-12	Baltimore	5.00	5.38	4.00	3.90	1.00	1.48	.30	8.00	8.40	12.00	12.00	41	A

‡Not licensed at time of sale.

*Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
F. S. Royster Guano Co., Baltimore, Md., (Continued)													
Royster Prize Guano 4-8-10	Baltimore	4.00	**4.24**	3.20	**3.22**	.80	**1.02**	**.40**	8.00	**8.70**	10.00	**10.80**	**32 A**
Royster Prize Guano 4-8-10	Baltimore	4.00	**4.04**	3.20	**3.06**	.80	**.98**	**.40**	8.00	**8.80**	10.00	**10.08**	**55 A**
Royster Gold Dust Tobacco Guano 4-8-7	Baltimore	4.00	**4.10**	2.00	**1.56**	2.00	**2.54**	**.80**	8.00	**8.90**	7.00	**6.98**	**41 B**
Royster Quality Trucker 4-8-7	Baltimore	4.00	**4.06**	3.20	**3.12**	.80	**.94**	**.40**	8.00	**8.50**	7.00	**7.14**	**24 B**
Royster Quality Trucker 4-8-7	Baltimore	4.00	**4.24**	3.20	**3.20**	.80	**1.04**	**.50**	8.00	**8.20**	7.00	**7.14**	**87 A**
Royster Golden Weed Tobacco Guano 4-8-5	Baltimore	4.00	**4.02**	2.00	**1.45**	2.00	**2.57**	**.80**	8.00	**8.80**	5.00	**5.28**	**53 B**
Royster Special Trucker 4-8-5	Baltimore	4.00	**3.76**	3.20	**2.82**	.80	**.94**	**.70**	8.00	**9.80**	5.00	**4.80**	**16 B**
Royster Special Trucker 4-8-5	Baltimore	4.00	**3.97**	3.20	**3.13**	.80	**.84**	**.50**	8.00	**8.30**	5.00	**5.12**	**44 B**
Royster Special Trucker 4-8-5	Baltimore	4.00	**3.83**	3.20	**2.97**	.80	**.86**	**1.20**	8.00	**8.40**	5.00	**5.08**	**19 B**
Royster Special Trucker 4-8-5	Baltimore	4.00	**4.00**	3.20	**3.05**	.80	**.95**	**.50**	8.00	**8.50**	5.00	**5.20**	**67 A**
Royster Curlew Guano 3-12-6	Baltimore	3.00	**3.06**	2.40	**2.24**	.60	**.82**	**.60**	12.00	**12.50**	6.00	**6.36**	**36 A**
Royster Favorite Guano 3-8-10	Baltimore	3.00	**2.98**	2.40	**2.25**	.60	**.73**	**.50**	8.00	**8.70**	10.00	**10.08**	**40 B**
Royster Favorite Guano 3-8-10	Baltimore	3.00	**3.14**	2.40	**2.45**	.60	**.69**	**.50**	8.00	**8.40**	10.00	**10.24**	**6 A**
Royster Fertilizer 2-12-6	Baltimore	2.00	**2.09**	1.60	**1.45**	.40	**.64**	**.40**	12.00	**12.50**	6.00	**6.31**	**14 B**
Royster Gem Guano 2-12-4	Baltimore	2.00	**2.01**	1.60	**1.41**	.40	**.60**	**1.00**	12.00	**12.70**	4.00	**4.16**	**40 B**
Royster Md. Pride Tobacco Guano 2-12-4	Baltimore	2.00	**2.18**	1.00	**.87**	1.00	**1.31**	**.80**	12.00	**12.00**	4.00	**4.66**	**119 B**
Royster Big Bully Guano 2-9-5	Baltimore	2.00	**2.04**	1.60	**1.43**	.40	**.61**	**.50**	9.00	**9.70**	5.00	**5.40**	**83 B**
Royster Big Bully Guano 2-9-5	Baltimore	2.00	**2.06**	1.60	**1.55**	.40	**.51**	**.50**	9.00	**9.00**	5.00	**5.00**	**42 B**
Royster Big Bully Guano 2-9-5	Baltimore	2.00	**2.01**	1.60	**1.40**	.40	**.61**	**.70**	9.00	**9.40**	5.00	**5.28**	**52 B**
Royster Big Bully Guano 2-9-5	Baltimore	2.00	**2.01**	1.60	**1.54**	.40	**.47**	**.80**	9.00	**9.00**	5.00	**5.28**	**125 B**
Royster Banner Guano 2-8-10	Baltimore	2.00	**2.01**	1.60	**1.24**	.40	**.77**	**.70**	8.00	**8.10**	10.00	**10.40**	**38 B**
Royster Banner Guano 2-8-10	Baltimore	2.00	**1.97**	1.60	**1.40**	.40	**.57**	**.60**	8.00	**8.30**	10.00	**10.40**	**93 B**
Royster Banner Guano 2-8-10	Baltimore	2.00	**2.08**	1.60	**1.44**	.40	**.64**	**.60**	8.00	**8.00**	10.00	**10.70**	**49 B**
Royster Surety Guano 1-10-5	Baltimore	1.00	**1.18**	.60	**.78**	.40	**.40**	**.50**	10.00	**10.30**	5.00	**5.28**	**94 B**
Royster Phosphate & Potash 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	**.80**	12.00	**12.30**	5.00	**5.20**	
Royster Phosphate & Potash 0-12-5	Lineboro	.....	.....	.....	.....	.....	.....	**.60**	12.00	**12.50**	5.00	**5.35**	
Royster Superphosphate 0-20-0	Baltimore	.....	.....	.....	.....	.....	.....	**1.00**	20.00	**20.10**	.....	.....	
Royster Superphosphate 0-20-0	Baltimore	.....	.....	.....	.....	.....	.....	**.70**	20.00	**20.10**	.....	.....	
Royster Superphosphate 0-20-0	Baltimore	.....	.....	.....	.....	.....	.....	**.70**	20.00	**20.30**	.....	.....	.....

Royster Superphosphate 0-20-0	Baltimore							.70	20.00	20.30				
Royster Superphosphate 0-16-0	Baltimore							.70	16.00	16.00				
Royster Superphosphate 0-16-0	Baltimore							.70	16.00	16.40				
Royster Superphosphate 0-16-0	Baltimore							.90	16.00	16.10				
Royster Superphosphate 0-16-0	Baltimore							.80	16.00	16.20				
Royster Superphosphate 0-16-0	Baltimore							.80	16.00	16.50				
Royster Superphosphate 0-16-0	Baltimore							.80	16.00	16.10				
Royster Muriate of Potash 0-0-48	Baltimore										48.00	57.00		
Royster Kainit 0-0-20	Baltimore										20.00	22.96		
Royster Kainit 0-0-20	Baltimore										20.00	22.96		
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.														
Esskay Quality Plant Food 5-9-4	Annapolis	5.00	5.80		.17	5.00	5.63	4.60	9.00	10.80	4.00	4.00	285	B
Esskay Quality Plant Food 5-9-4	Baltimore	5.00	5.73		.08	5.00	5.65	5.50	9.00	10.50	4.00	3.73	50	B
‡Esskay Raw Bone Meal 3.50—T.P.A. 25-0	Annapolis	3.50	3.57						*25.00	*25.50				
R. H. Slingluff Fertilizer Co., Baltimore, Md.														
Slingluff's Tobacco Bed 10-5-2	Upper Marlboro	10.00	10.10	8.50	8.92	1.50	1.18	.30	5.00	5.10	2.00	2.32	849	A
Slingluff's Tobacco Bed 10-5-2	Faulkner	10.00	10.20	8.50	8.44	1.50	1.76	.20	5.00	5.50	2.00	2.32	760	A
Slingluff's Tobacco Bed 10-5-2	Baltimore	10.00	10.34	8.50	8.54	1.50	1.80	.20	5.00	5.20	2.00	2.48	665	A
Slingluff's Tobacco Bed 10-5-2	Baltimore	10.00	10.00	8.50	8.86	1.50	1.14	.40	5.00	5.20	2.00	2.40	798	A
Slingluff's Tobacco Bed 8-5-2	Faulkner	8.00	7.49	6.80	6.64	1.20	.85	.20	5.00	5.60	2.00	2.88	223	A
Slingluff's Tobacco Bed 6-6-8	Baltimore	6.00	6.07	5.40	5.29	.60	.78	.60	6.00	6.00	8.00	8.38	364	A
Slingluff's 4-12-4	Baltimore	4.00	3.61	3.00	2.44	1.00	1.17	1.10	12.00	12.60	4.00	4.68	150	A
Slingluff's H. G. Tobacco 4-8-12	Baltimore	4.00	4.04	3.25	2.84	.75	1.20	.80	8.00	8.60	12.00	12.00	197	A
Slingluff's Long Red Tobacco 4-8-10	Baltimore	4.00	4.02	3.25	2.95	.75	1.07	1.00	8.00	8.70	10.00	10.08	202	A
Slingluff's Tobacco Compound 4-8-7	Baltimore	4.00	4.00	3.25	2.86	.75	1.14	.90	8.00	8.70	7.00	9.16	208	A
Slingluff's Tobacco Compound 4-8-7	Baltimore	4.00	3.89	3.25	2.89	.75	1.00	.80	8.00	9.10	7.00	6.98	172	A
Slingluff's Truck & Potato 4-8-7	Baltimore	4.00	4.06	3.00	3.34	1.00	.72	.30	8.00	8.40	7.00	7.60	264	A
Slingluff's Truck & Potato 4-8-7	Faulkner	4.00	3.89	3.00	3.06	1.00	.83	.30	8.00	9.00	7.00	7.14	218	A
Slingluff's General Trucker 4-8-5	Baltimore	4.00	4.03	3.00	3.31	1.00	.72	.40	8.00	8.10	5.00	5.44	225	A
Slingluff's General Trucker 4-8-5	Baltimore	4.00	3.99	3.00	3.14	1.00	.85	.30	8.00	8.10	5.00	5.74	221	A
Slingluff's General Trucker 4-8-5	Baltimore	4.00	3.68	3.00	2.63	1.00	1.05	.60	8.00	8.70	5.00	5.71	128	A
Slingluff's Champion 2-9-5	Baltimore	2.00	2.44	1.50	1.91	.50	.53	.50	9.00	9.00	5.00	5.20	171	A
Slingluff's Champion 2-9-5	Baltimore	2.00	1.19	1.50	1.46	.50	.53	.60	9.00	9.10	5.00	5.28	78	A
‡Slingluff's Harvest Queen 1-10-5	Baltimore	1.00	1.15	.75	.45	.25	.70	.80	10.00	10.00	5.00	5.35	276	B
Slingluff's Acid Phosphate 0-16-0	Baltimore							1.00	16.00	16.40				
‡Slingluff's Acid Phosphate 0-16-0	Baltimore							1.20	16.00	16.20				

‡Not licensed at time of sale.

*Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Smith-Douglass Co, Inc., Norfolk, Va.											10.00	10.50	
‡Smith Big Fruiter 10-0-10	Salisbury	10.00	9.58	10.00	9.58	.....	0.00	.....	.....	.....			
Smith 6-6-5 Truck Guano	Salisbury	6.00	5.73	4.20	3.79	1.80	1.94	.40	6.00	6.50	5.00	5.35	34 B
Smith 6-6-5 Truck Guano	Salisbury	6.00	5.73	4.20	3.86	1.80	1.87	.60	6.00	6.00	5.00	5.44	98 B
Smith 5-8-12 Fertilizer	Salisbury	5.00	5.10	3.50	3.39	1.50	1.71	.60	8.00	8.00	12.00	12.26	11 B
Smith 5-8-12 Fertilizer	Salisbury	5.00	5.21	3.50	3.66	1.50	1.55	.60	8.00	8.00	12.00	12.60	3 A
Smith 4-8-10 Fertilizer	Salisbury	4.00	3.79	2.80	2.44	1.20	1.35	.60	8.00	8.30	10.00	12.26	38 B
Smith 4-8-5 Fertilizer	Salisbury	4.00	4.13	2.80	2.49	1.20	1.64	.40	8.00	8.50	5.00	5.20	12 B
Soil Service, Rehoboth Beach, Del.													
6-6-5	Greensboro	6.00	6.04	.60	.66	5.40	5.38	.40	6.00	6.00	5.00	5.40	883 B
5-8-12		5.00	6.01	.50	.48	4.50	5.53	.30	8.00	8.30	12.00	14.44	466 B
4-8-7		4.00	2.72	.40	.11	3.60	2.61	.40	8.00	10.10	7.00	7.92	632 B
2-8-10		2.00	2.28	.20	.10	1.80	2.18	.50	8.00	8.10	10.00	7.92	795 B
Southern States Cooperative, Inc., Baltimore, Md.													
‡S.S.C.Q. Open Formula Tobacco Plant Bed 10-5-2	Baltimore	10.00	9.94	.90	8.86	1.00	1.08	.90	5.00	6.60	2.00	2.42	500 A
S.S.C.Q. Open Formula Tobacco Plant Bed 8-5-2	Huntingtown	8.00	8.14	7.20	7.14	.80	1.00	.90	5.00	5.50	2.00	2.48	226 A
‡S.S.C.Q. Open Formula Tobacco Plant Bed 8-5-2	Baltimore	8.00	7.98	7.20	7.06	.80	.92	1.00	5.00	5.90	2.00	2.94	193 A
S.S.C.Q. Open Formula Tobacco Plant Bed 6-6-8	St. Leonards	6.00	6.04	5.40	5.49	.60	.55	.80	6.00	6.60	8.00	8.08	129 A
S.S.C.Q. Open Formula Tobacco Plant Bed 6-6-8	Baltimore	6.00	6.22	5.40	5.43	.60	.79	.90	6.00	6.30	8.00	8.50	175 A
S.S.C.Q. Big Yield 6-6-5	Salisbury	6.00	6.04	4.50	5.00	1.50	1.00	.20	6.00	6.30	5.00	5.28	402 A
S.S.C.Q. Open Formula 6-6-5 Super	Baltimore	6.00	5.98	3.60	3.54	2.40	2.44	.60	6.00	6.50	5.00	5.59	30 B
S.S.C.Q. Open Formula 6-6-5 Super	Baltimore	6.00	5.97	3.60	3.75	2.40	2.22	.20	6.00	7.10	5.00	5.08	221 B
S.S.C.Q. Open Formula 6-6-5 Super	Baltimore	6.00	6.00	3.60	3.61	2.40	2.39	.40	6.00	6.20	5.00	5.28	65 A
S.S.C.Q. Open Formula 6-6-5 Super	Baltimore	6.00	6.07	3.60	3.91	2.40	2.16	.50	6.00	6.10	5.00	5.04	1 A
S.S.C.Q. Open Formula Super 5-10-5	Baltimore	5.00	5.08	3.00	3.20	2.00	1.88	.70	10.00	10.40	5.00	5.35	231 A
S.S.C.Q. Open Formula Super 5-8-12	Baltimore	5.00	4.44	3.00	2.78	2.00	1.66	.60	8.00	9.70	12.00	10.08	116 A
S.S.C.Q. Open Formula 4-16-4	Baltimore	4.00	3.99	2.40	2.49	1.60	1.50	1.00	16.00	16.30	4.00	5.04	240 A
S.S.C.Q. Open Formula 4-12-4	Baltimore	4.00	3.97	2.40	2.29	1.60	1.68	1.20	12.00	12.50	4.00	4.40	66 A
S.S.C.Q. Open Formula Tobacco 4-8-10	Baltimore	4.00	3.99	2.80	2.61	1.20	1.38	.70	8.00	8.40	10.00	10.08	48 B
S.S.C.Q. Open Formula Big Yield 4-8-7	Westminster	4.00	3.86	3.00	3.09	1.00	.77	.70	8.00	8.10	7.00	7.64	42 B

S.S.C.Q. Open Formula Tobacco 4-8-10	Baltimore	4.00	3.99	2.80	2.82	1.60	1.17	.80	8.00	8.80	7.00	7.60	121	B
S.S.C.Q. Open Formula Big Yield 4-8-7	Westminster	4.00	3.86	3.00	3.09	1.00	.77	.70	8.00	8.10	7.00	7.64	42	B
S.S.C.Q. Open Formula 4-8-7	Baltimore	4.00	4.02	2.40	2.43	1.60	1.59	.90	8.00	8.40	7.00	7.60	91	B
S.S.C.Q. Open Formula 4-8-7	Baltimore	4.00	4.04	2.40	1.92	1.60	2.12	.90	8.00	10.40	7.00	6.60	121	B
S.S.C.Q. Open Formula 4-8-7	Baltimore	4.00	3.72	2.40	2.26	1.60	1.46	.70	8.00	8.90	7.00	7.53	77	B
S.S.C.Q. Open Formula 4-8-7	Baltimore	4.00	3.80	2.40	2.42	1.60	1.38	.70	8.00	8.00	7.00	7.76	244	B
S.S.C.Q. Open Formula 4-8-5	Baltimore	4.00	4.17	2.40	2.58	1.60	1.59	.70	8.00	8.00	5.00	5.40	81	B
S.S.C.Q. Open Formula 3-12-6	Baltimore	3.00	3.30	1.80	1.92	1.20	1.38	1.00	12.00	11.90	6.00	6.44	4	B
‡S.S.C.Q. Open Formula 3-10-10	Baltimore	3.00	3.00	1.80	1.90	1.20	1.10	1.00	10.00	10.60	10.00	10.00	70	A
S.S.C.Q. Open Formula 3-8-10	Baltimore	3.00	3.09	1.80	2.11	1.20	.98	.70	8.00	8.60	10.00	10.50	190	B
S.S.C.Q. Open Formula 2-12-6	Baltimore	2.00	2.01	1.20	1.18	.80	.83	1.10	12.00	12.10	6.00	6.36	157	B
S.S.C.Q. Open Formula 2-12-6	Baltimore	2.00	2.01	1.20	1.28	.80	.73	1.30	12.00	12.10	6.00	6.05	91	B
S.S.C.Q. Open Formula 2-12-6	Baltimore	2.00	2.02	1.20	1.17	.80	.85	.80	12.00	12.30	6.00	6.05	55	B
S.S.C.Q. Open Formula 2-12-6	Baltimore	2.00	2.15	1.20	1.28	.80	.87	.90	12.00	12.10	6.00	6.21	158	B
S.S.C.Q. Open Formula 2-12-4	Baltimore	2.00	2.04	1.20	1.00	.80	1.04	1.20	12.00	11.80	4.00	4.26	253	B
S.S.C.Q. Big Yield 2-9-5	Baltimore	2.00	2.06	1.50	1.43	.50	.63	.70	9.00	9.10	5.00	5.44	64	A
S.S.C.Q. Big Yield 2-9-5	Baltimore	2.00	2.01	1.50	1.47	.50	.54	.70	9.00	9.00	5.00	5.12	18	B
S.S.C.Q. Big Yield 2-9-5	Taneytown	2.00	2.03	1.50	1.48	.50	.55	.70	9.00	9.40	5.00	5.40	52	A
S.S.C.Q. Open Formula 2-9-5	Baltimore	2.00	2.05	1.20	1.19	.80	.86	.80	9.00	9.00	5.00	5.46	204	B
S.S.C.Q. Open Formula 2-9-5	Baltimore	2.00	2.04	1.20	1.18	.80	.86	.60	9.00	9.10	5.00	5.12	230	B
S.S.C.Q. Open Formula 2-9-5	Baltimore	2.00	2.02	1.20	1.21	.80	.81	.70	9.00	9.40	5.00	5.67	228	B
S.S.C.Q. Open Formula 2-9-5	Baltimore	2.00	2.06	1.20	1.23	.80	.83	.70	9.00	9.20	5.00	5.35	186	B
S.S.C.Q. Open Formula 2-9-5	Washington Grove	2.00	2.06	1.20	1.31	.80	.75	.50	9.00	10.10	5.00	5.04	172	B
S.S.C.Q. Open Formula 2-8-10	Baltimore	2.00	2.09	1.20	1.10	.80	.99	.90	8.00	8.10	10.00	10.60	360	B
S.S.C.Q. Open Formula 2-8-4	Baltimore	2.00	2.26	1.20	1.26	.80	1.00	1.30	8.00	9.50	4.00	5.28	272	B
S.S.C.Q. Sulphate of Ammonia 20.50-0-0	Taneytown	20.50	20.49											
S.S.C.Q. Open Formula 0-12-5	Baltimore							.90	12.00	12.10	5.00	6.21		
S.S.C.Q. Open Formula 0-12-5	Hagerstown							.70	12.00	12.40	5.00	5.28		
S.S.C.Q. Open Formula 0-12-5	Baltimore							.80	12.00	11.20	5.00	5.74		
S.S.C.Q. Superphosphate 0-20-0	Baltimore							1.40	20.00	20.20				
S.S.C.Q. Superphosphate 0-20-0	Baltimore							1.00	20.00	20.10				
S.S.C.Q. Superphosphate 0-20-0	Baltimore							.90	20.00	20.20				
S.S.C.Q. Superphosphate 0-16-0	Baltimore							1.00	16.00	16.10				
S.S.C.Q. Superphosphate 0-16-0	Baltimore							1.10	16.00	16.50				
S.S.C.Q. Special Superphosphate Granular 0-16-0	Hagerstown							4.00	16.00	16.10				
S.S.C.Q. Muriate of Potash 0-0-50	Taneytown										50.00	51.20		
S.S.C.Q. Kainit 0-0-20	Taneytown										20.00	20.48		
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md.														
‡Standard 10-5-2	Baltimore	10.00	9.91	8.00	7.96	2.00	1.95	.50	5.00	6.10	2.00	2.60	588	A
Special Tobacco Mixture 10-5-2	Baltimore	10.00	9.76	8.00	7.78	2.00	1.98	.40	5.00	5.60	2.00	2.56	619	A

‡Not licensed at time of sale.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Stand. Wholesale Phos. & Acid Wks, Inc. Balto., Md., (Continued)													
Special Tobacco Mixture 6-6-8	Baltimore	6.00	6.04	4.80	4.27	1.20	1.77	.90	6.00	6.60	8.00	8.38	331 A
Standard 6-6-5	Denton	6.00	5.83	4.80	4.60	1.20	1.23	.50	6.00	6.10	5.00	5.28	162 A
6-6-5	Catonsville	6.00	5.97					.40	6.00	6.30	5.00	5.28	
6-6-5	Jessups	6.00	5.78					.40	6.00	6.30	5.00	5.51	
Standard 6-6-5 Prize Winning Formula	Glen Burnie	6.00	5.85					.50	6.00	6.90	5.00	5.35	
Standard 6-6-5 Prize Winning Formula	Baltimore	6.00	5.83	4.80	3.92	1.20	1.91	.70	6.00	6.70	5.00	6.21	168 A
Standard 6-6-5 Prize Winning Formula	Beltsville	6.00	5.98	4.80	4.46	1.20	1.52	.50	6.00	6.30	5.00	5.20	184 A
Standard 5-8-12	Baltimore	5.00	5.01	4.00	3.24	1.00	1.77	.90	8.00	9.20	12.00	10.08	254 A
Standard 5-8-5	Princess Anne	5.00	5.14					.60	8.00	8.00	5.00	5.59	
Standard 4-8-12	Catonsville	4.00	4.24					1.00	8.00	8.10	12.00	12.00	
Standard 4-8-7	Jessups	4.00	4.41					.70	8.00	7.60	7.00	8.38	
Standard 4-8-7	Baltimore	4.00	4.07	3.20	3.34	.80	.73	.50	8.00	9.30	7.00	7.53	269 A
Standard 4-8-5	Catonsville	4.00	4.02					.60	8.00	8.10	5.00	5.74	
Standard 4-8-5	Jessups	4.00	4.07					.60	8.00	8.10	5.00	5.42	
Standard 4-8-5	Baltimore	4.00	3.97	3.20	2.94	.80	1.03	.70	8.00	8.10	5.00	5.28	112 A
Standard 4-8-5	Beltsville	4.00	4.13	3.20	3.24	.80	.89	.80	8.00	7.80	5.00	5.20	20 B
Standard 4-8-4	Glen Burnie	4.00	3.90					.60	8.00	8.80	4.00	4.86	
Standard 3-12-6	Baltimore	3.00	3.09	2.40	2.56	.60	.53	.40	12.00	13.00	6.00	6.29	281 A
Standard 3-12-6	Beltsville	3.00	3.05	2.40	2.46	.60	.59	.70	12.00	11.50	6.00	7.14	189 A
‡Standard 3-10-10	Baltimore	3.00	3.14	2.40	2.50	.60	.64	.50	10.00	10.50	10.00	10.80	206 A
Standard 3-8-10	Baltimore	3.00	3.10	2.40	2.50	.60	.60	.80	8.00	9.30	10.00	10.40	184 A
Standard 2-12-6	Baltimore	2.00	2.04	1.60	1.54	.40	.50	.80	12.00	12.10	6.00	6.75	146 A
Standard 2-12-4	Baltimore	2.00	2.11	1.60	1.54	.40	.57	.80	12.00	12.00	4.00	4.26	128 A
Standard 2-12-4	College Park	2.00	2.12	1.60	1.47	.40	.65	1.00	12.00	12.10	4.00	4.00	104 A
Standard 2-12-4	College Park	2.00	2.02	1.60	1.64	.40	.38	1.00	12.00	11.40	4.00	4.74	130 A
Standard 2-12-4	Princess Anne	2.00	2.13					.80	12.00	12.00	4.00	4.58	
Standard 2-9-5	Baltimore	2.00	2.04	1.60	1.63	.40	.41	.90	9.00	9.90	5.00	5.46	118 A
Standard 2-8-10	Baltimore	2.00	2.08	1.60	1.68	.40	.40	.60	8.00	8.10	10.00	10.44	101 A
Standard 2-8-10	Jessups	2.00	3.30					.20	8.00	8.50	10.00	10.50	
Standard Raw Bone Meal 3.70—T.P.A. 22-0	Baltimore	3.70	3.80						*22.00	*22.20			
Standard Steamed Bone Meal 2.47—T.P.A. 22-0	Medford	2.47	2.75										

Standard Raw Bone Meal 3.70—T.P.A. 22-0	Baltimore	3.70	3.80										
Standard Steamed Bone Meal 2.47—T.P.A. 22-0	Medford	2.47	2.75						*22.00	*25.40			
‡Standard Steamed Bone Meal 2.47—T.P.A. 22-0	Baltimore	2.47	2.70						*22.00	*25.40			
Standard Sulphate of Ammonia 20.50-0-0	Catonsville	20.50	20.58										
‡Standard Sulphate of Ammonia 20.50-0-0	College Park	20.50	20.50										
‡Standard Animal Tankage	Denton	7.00	8.65										
Standard 0-12-5	Baltimore							.50	12.00	12.40	5.00	5.74	
Standard 0-12-5	Princess Anne							1.10	12.00	12.50	5.00	5.32	
Standard Superphosphate 0-20-0	Baltimore							1.00	20.00	19.10			
Standard Superphosphate 0-16-0	College Park							.50	16.00	15.60			
Standard Superphosphate 0-16-0	Baltimore							.80	16.00	16.80			
Summers Fertilizer Co., Inc., Baltimore, Md.													
‡3-12-6 Fertilizer	Whiteford	3.00	3.20	2.50	2.49	.50	.71	1.10	12.00	12.80	6.00	6.90	5 B
Swift & Co., Fertilizer Works, Baltimore, Md.													
Swift's Red Steer Tobacco Grower 8-5-2	Clinton	8.00	8.42	6.40	6.90	1.60	1.52	.40	5.00	5.50	2.00	2.10	312 A
Swift's Red Steer Tobacco Grower 8-5-2	Baltimore	8.00	8.05	6.40	6.51	1.60	1.54	.30	5.00	5.70	2.00	2.40	186 A
Swift's Red Steer 6-6-5	Baltimore	6.00	5.97	4.50	4.55	1.50	1.42	.40	6.00	6.90	5.00	5.40	64 A
Swift's Red Steer 6-6-5	Baltimore	6.00	5.92	4.50	4.50	1.50	1.42	.40	6.00	6.80	5.00	5.35	42 A
Swift's Red Steer 6-6-5	Baltimore	6.00	5.77	4.50	4.47	1.50	1.30	.40	6.00	6.80	5.00	5.44	47 A
Swift's Red Steer 6-6-5	Baltimore	6.00	5.83	4.50	4.39	1.50	1.44	.40	6.00	6.40	5.00	5.44	59 A
Swift's Red Steer 5-8-12	Baltimore	5.00	5.00	3.75	3.80	1.25	1.20	.40	8.00	8.90	12.00	12.10	30 A
Vigoro 4-12-4	Baltimore	4.00	4.32	4.00	4.29		.03	.50	12.00	13.40	4.00	4.58	78 A
Swift's Red Steer Tobacco Grower 4-8-12	Baltimore	4.00	4.13	3.00	3.25	1.00	.88	.70	8.00	8.10	12.00	12.00	87 A
Swift's Red Steer Tobacco Grower 4-8-10	Baltimore	4.00	4.09	3.00	3.05	1.00	1.04	.60	8.00	8.00	10.00	10.24	97 B
Swift's Red Steer Tobacco Grower 4-8-10	Baltimore	4.00	3.93	3.00	3.07	1.00	.86	.40	8.00	9.60	10.00	10.08	21 A
Swift's Red Steer 4-8-10	Baltimore	4.00	4.21	3.00	3.16	1.00	1.05	.60	8.00	8.40	10.00	10.24	93 B
Swift's Red Steer 4-8-10	Baltimore	4.00	4.04	3.00	2.98	1.00	1.06	.30	8.00	8.60	10.00	10.40	17 B
Swift's Red Steer 4-8-10	Baltimore	4.00	4.02	3.00	3.11	1.00	.91	.30	8.00	8.60	10.00	10.40	23 A
Swift's Red Steer 4-8-7	Baltimore	4.00	3.79	3.00	2.85	1.00	.94	.60	8.00	8.70	7.00	8.00	38 B
Swift's Red Steer 4-8-7	Baltimore	4.00	4.07	3.00	3.07	1.00	1.00	.60	8.00	8.50	7.00	7.00	12 A
Swift's Red Steer 4-8-7	Hagerstown	4.00	4.04	3.00	3.18	1.00	.86	.40	8.00	8.60	7.00	7.45	5 A
Swift's Red Steer 4-8-5	Baltimore	4.00	4.07	3.00	3.19	1.00	.88	.30	8.00	8.40	5.00	5.35	24 A
Swift's Red Steer 4-8-5	Baltimore	4.00	4.02	3.00	3.04	1.00	.98	.40	8.00	8.60	5.00	5.40	5 A
Swift's Red Steer 3-12-6	Baltimore	3.00	3.02	2.40	2.48	.60	.54	.90	12.00	12.10	6.00	6.32	41 A
Swift's Red Steer 3-8-10	Baltimore	3.00	2.98	2.25	2.16	.75	.82	.60	8.00	8.60	10.00	10.24	7 B
Swift's Red Steer 3-8-10	Baltimore	3.00	3.00	2.25	1.93	.75	1.07	.60	8.00	8.60	10.00	10.60	14 A
Swift's Red Steer 3-8-10	Baltimore	3.00	2.98	2.25	2.23	.75	.75	.70	8.00	8.40	10.00	10.40	26 A
Swift's Red Steer 3-8-10	Baltimore	3.00	2.91	2.25	2.07	.75	.84	.60	8.00	8.50	10.00	10.56	11 A
Swift's Red Steer 2-9-5	Baltimore	2.00	1.91	1.50	1.29	.50	.62	.70	9.00	9.00	5.00	5.20	28 A

‡Not licensed at time of sale.

*Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Swift & Co., Fertilizer Works, Baltimore, Md.,	(Continued)												
Swift's Red Steer 2-9-5	Baltimore	2.00	2.01	1.50	1.43	.50	.58	.50	9.00	9.00	5.00	5.46	14 B
Swift's Red Steer 2-8-10	Baltimore	2.00	1.97	1.50	1.36	.50	.61	.50	8.00	8.90	10.00	10.00	24 A
Swift's Red Steer 2-8-10	Baltimore	2.00	1.98	1.50	1.48	.50	.50	.40	8.00	8.50	10.00	10.00	2 A
Swift's Red Steer 2-8-10	Baltimore	2.00	2.06	1.50	1.66	.50	.40	.50	8.00	9.00	10.00	10.40	28 A
Swift's Red Steer 2-8-10	Baltimore	2.00	1.97	1.50	1.57	.50	.40	.50	8.00	8.40	10.00	10.08	74 A
Bone Meal Fertilizer 2.47—T.P.A. 23-0	Baltimore	2.47	2.47	.....	.....	.....	.....	.....	*23.00	*23.40	.....	.....	
Raw Bone Meal 3.70—T.P.A. 20-0	Baltimore	3.70	3.68	.....	.....	.....	.....	.....	*20.00	*20.00	.....	.....	
‡Ground Dried Blood 12-0-0	Clinton	12.00	11.96	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Swift's Red Steer 0-10-10	Baltimore	.....	.....	.....	.....	.....	.....	.30	10.00	10.30	10.00	9.88	
Swift's Red Steer Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	.70	16.00	16.20	.....	.....	
Swift's Red Steer Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	1.00	16.00	19.40	.....	.....	
Swift's Red Steer Superphosphate 0-16-0	Hagerstown	.....	.....	.....	.....	.....	.....	.70	16.00	16.90	.....	.....	
Kainit 0-0-20	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00	22.96	
Kainit 0-0-20	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00	21.72	
Tennessee Corp., Lockland, Ohio													
Loma 5-10-4	Baltimore	5.00	5.17	4.00	4.34	1.00	.83	.40	10.00	11.00	4.00	4.04	
Thomas & Co., Frederick, Md.													
Pea Mixture 4-8-5	Rockville	4.00	4.72	3.90	4.35	.10	.37	.80	8.00	7.70	5.00	5.42	272 A
Pea Mixture 4-8-5	Gaithersburg	4.00	5.90	3.90	5.76	.10	.14	.50	8.00	6.90	5.00	7.29	385 A
‡Sure Crop 2-12-6	Gaithersburg	2.00	5.01	1.60	4.86	.40	.15	1.00	12.00	10.60	6.00	5.28	377 A
Wheat & Grass Grower 2-9-5	Rockville	2.00	2.19	1.80	1.92	.20	.27	.80	9.00	10.10	5.00	7.14	79 B
Wheat & Grass Grower 2-9-5	Gaithersburg	2.00	2.08	1.80	1.66	.20	.42	1.00	9.00	9.80	5.00	5.28	178 B
Super Phosphate & Potash 0-12-5	Gaithersburg	.....	.....	.....	.....	.....	.....	1.80	12.00	10.80	5.00	5.67	
Superphosphate 0-16-0	Gaithersburg	.....	.....	.....	.....	.....	.....	1.40	16.00	13.60	.....	.....	
Thomas Supply Co., Adamstown, Md.													
Thomas Superphosphate 0-16-0	Adamstown	.....	.....	.....	.....	.....	.....	1.20	16.00	16.70	.....	.....	

I. P. Thomas & Son Co., Camden, N. J.														
6% Guano 6-6-5	Denton	6.00	6.08	4.50	4.41	1.50	1.67	.60	6.00	6.50	5.00	5.44	26	B
High Grade Potato 4-8-10	Denton	4.00	3.99	3.20	2.46	.80	1.53	.60	8.00	8.90	10.00	10.40	179	A
‡High Grade Potato 4-8-10	Denton	4.00	4.07	3.20	2.75	.80	1.32	.50	8.00	8.10	10.00	10.60	179	A
I. P. Thomas 4-8-7 "Non-Acid"	Denton	4.00	4.03	3.20	2.81	.80	1.22	.20	8.00	8.60	7.00	7.45	0	
‡I. P. Thomas 4-8-7 "Non-Acid"	Denton	4.00	4.06	3.20	2.85	.80	1.21	.20	8.00	9.20	7.00	7.45	39	B
‡Royal Guano 4-8-5 "Non-Acid"	Denton	4.00	4.04	3.20	2.87	.80	1.17	.50	8.00	8.40	5.00	5.35	52	B
Victor Potash Fertilizer 2-9-5	Denton	2.00	2.29	1.70	1.29	.30	1.00	.60	9.00	9.80	5.00	5.40	59	A
I. P. Thomas 2-8-10	Denton	2.00	2.13	1.70	1.21	.30	.92	.70	8.00	7.60	10.00	11.96	44	B
I. P. Thomas 1-10-5	Denton	1.00	1.28	.90	.66	.10	.62	.90	10.00	10.50	5.00	5.40	31	A
‡I. P. Thomas 1-10-5	Denton	1.00	1.52	.90	.84	.10	.68	1.00	10.00	10.80	5.00	5.90	24	A
‡Sulphate of Ammonia 20.50-0-0	Denton	20.50	20.56											
‡Dairymen's Special 0-10-10	Denton							.70	10.00	10.60	10.00	10.48		
Superphosphate 0-16-0	Denton							.30	16.00	17.20				
‡Kainit 0-0-20	Denton										20.00	24.52		
Wm. B. Tilghman Co., Inc., Salisbury, Md.														
Tilghman's Potato Mixture 7-7-7	Salisbury	7.00	6.99	5.25	5.48	1.75	1.51	.70	7.00	7.50	7.00	7.76	440	A
‡Tilghman's Potato Mixture 7-7-7	Salisbury	7.00	6.99	5.25	5.24	1.75	1.75	.80	7.00	7.70	7.00	7.45	243	A
Tilghman's Irish P. Guano 6-6-5	Salisbury	6.00	6.05	4.20	4.45	1.80	1.60	.60	6.00	6.60	5.00	5.28	113	A
Tilghman's Irish P. Guano 6-6-5	Berlin	6.00	6.09	4.20	4.76	1.80	1.33	.50	6.00	6.60	5.00	5.59	191	A
Tilghman's Irish P. Guano 6-6-5	Federalsburg	6.00	6.49	4.20	5.01	1.80	1.48	.60	6.00	6.40	5.00	5.35	199	A
Tilghman's Irish P. Guano 6-6-5	Salisbury	6.00	6.11	4.20	4.75	1.80	1.36	.50	6.00	6.60	5.00	5.28	182	A
Tilghman's Q. Brand 6-6-5	Salisbury	6.00	6.11	3.60	3.89	2.40	2.22	.70	6.00	7.00	5.00	5.50	110	A
Tilghman's Q. Brand 6-6-5	Baltimore	6.00	5.98	3.60	3.96	2.40	2.02	.70	6.00	6.80	5.00	6.21	43	A
Tilghman's Q. Brand 6-6-5	Salisbury	6.00	6.14	3.60	4.04	2.40	2.10	.80	6.00	6.70	5.00	5.44	102	A
Tilghman's Special 5-8-12	Salisbury	5.00	5.39	4.00	4.32	1.00	1.07	.80	8.00	8.60	12.00	12.40	255	A
‡Tilghman's Special 5-8-12	Salisbury	5.00	5.03	4.00	3.73	1.00	1.30	.80	8.00	8.60	12.00	12.00	163	A
Tilghman's Tomato Mixture 4-8-10	Salisbury	4.00	4.10	3.20	3.45	.80	.65	1.20	8.00	8.00	10.00	10.80	200	A
Tilghman's Tomato Mixture 4-8-10	Salisbury	4.00	4.10	3.20	3.48	.80	.62	.30	8.00	8.40	10.00	10.60	265	A
Tilghman's Melon Mixture 4-8-7	Salisbury	4.00	4.24	2.00	2.47	2.00	1.77	1.20	8.00	8.90	7.00	7.58	35	A
Tilghman's Melon Mixture 4-8-7	Salisbury	4.00	4.28	2.00	2.50	2.00	1.78	.90	8.00	8.50	7.00	7.22	78	A
Tilghman's Melon Mixture 4-8-7	Federalsburg	4.00	4.02	2.00	2.43	2.00	1.59	.80	8.00	8.50	7.00	7.53	57	A
Tilghman's Regular 4-8-7	Salisbury	4.00	4.09	3.20	3.48	.80	.61	.60	8.00	8.40	7.00	7.92	153	A
Tilghman's Regular 4-8-7	Salisbury	4.00	4.09	3.20	3.55	.80	.54	.60	8.00	8.30	7.00	7.56	143	A
Tilghman's Regular 4-8-7	Federalsburg	4.00	4.07	3.20	3.59	.80	.48	.60	8.00	8.30	7.00	7.53	172	A
Tilghman's Early Truck 4-8-5	Berlin	4.00	4.13	3.20	3.45	.80	.68	.70	8.00	8.50	5.00	5.50	67	A
Tilghman's Early Truck 4-8-5	Princess Anne	4.00	4.03	3.20	3.38	.80	.65	.80	8.00	8.20	5.00	5.48	37	A
Tilghman's Early Truck 4-8-5	Salisbury	4.00	4.02	3.20	3.34	.80	.68	.70	8.00	8.20	5.00	5.45	84	A
Tilghman's Early Truck 4-8-5	Federalsburg	4.00	4.16	3.20	3.45	.80	.71	.80	8.00	8.40	5.00	5.35	8	B

‡Not licensed at time of sale.

*Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Wm. H. Tilghman Co., Salisbury, Md., (Continued)													
Tilghman's Special 3-8-15	Salisbury	3.00	**3.00**	2.40	**2.11**	.60	**.89**	**.70**	8.00	**8.00**	15.00	**15.52**	**67 A**
Tilghman's Mixture B. 3-8-10	Salisbury	3.00	**3.14**	2.40	**2.64**	.60	**.50**	**.60**	8.00	**8.20**	10.00	**10.40**	**39 A**
Tilghman's S.P. 2-8-10	Salisbury	2.00	**2.11**	1.60	**1.63**	.40	**.48**	**.80**	8.00	**8.40**	10.00	**10.40**	**32 B**
Tilghman's Grain Fertilizer 1-10-5	Salisbury	1.00	**1.64**	.80	**1.19**	.20	**.45**	**1.20**	10.00	**10.50**	5.00	**5.98**	**97 B**
Tilghman's Grain Fertilizer 1-10-5	Salisbury	1.00	**1.33**	.80	**1.08**	.20	**.25**	**1.10**	10.00	**10.20**	5.00	**5.12**	**142 B**
‡Tilghman's Raw Bone Meal 3.70—T.P.A. 20.50-0	Hurlock	3.70	**3.75**	.....	.....	.....	.....	.....	*20.50	***23.00**	.....	.....	
‡Tilghman's Ten-Ten	Hurlock	.....	.....	.....	.....	.....	.....	**.70**	10.00	**10.00**	10.00	**10.16**	
Tilghman's Phosphate & Potash 0-12-5	Salisbury	.....	.....	.....	.....	.....	.....	**.50**	12.00	**11.30**	5.00	**5.50**	
Tilghman's Superphosphate 0-16-0	Berlin	.....	.....	.....	.....	.....	.....	**1.50**	16.00	**15.60**	.....	.....	
Towson Nurseries, Inc., Towson, Md.													
Towson Lawn Food 10-6-4	Towson	10.00	**10.24**	7.00	**6.95**	3.00	**3.29**	**2.40**	6.00	**9.30**	4.00	**4.58**	**623 A**
F. W. Tunnell & Co., Inc., Philadelphia, Pa.													
Tunnell's 6-6-5 Fertilizer	Salisbury	6.00	**6.01**	4.50	**3.96**	1.50	**2.05**	**.50**	6.00	**6.90**	5.00	**5.21**	**149 A**
Tunnell's 4-8-10 Fertilizer	Salisbury	4.00	**4.23**	3.00	**2.67**	1.00	**1.56**	**.60**	8.00	**8.30**	10.00	**9.00**	**48 A**
Tunnel's 4-8-7 Fertilizer	Salisbury	4.00	**4.00**	3.00	**2.82**	1.00	**1.18**	**.90**	8.00	**8.50**	7.00	**7.53**	**12 B**
Tunnel's 4-8-7 Fertilizer	Colora	4.00	**4.05**	3.00	**2.68**	1.00	**1.37**	**.50**	8.00	**9.00**	7.00	**7.45**	**38 A**
‡Tunnell's 4-8-5 Fertilizer	Salisbury	4.00	**4.02**	3.00	**2.62**	1.00	**1.40**	**.70**	8.00	**8.70**	5.00	**6.21**	**26 B**
Tunnell's 2-9-5 Fertilizer	Queen Anne	2.00	**2.02**	1.00	**1.24**	1.00	**.78**	**.70**	9.00	**9.40**	5.00	**5.54**	**18 B**
Tunnell's 2-9-5 Fertilizer	Colora	2.00	**2.09**	1.00	**1.33**	1.00	**.76**	**.60**	9.00	**9.60**	5.00	**5.74**	**18 B**
Tunnell's 2-8-10 Fertilizer	Colora	2.00	**2.08**	1.00	**1.26**	1.00	**.82**	**.60**	8.00	**9.60**	10.00	**10.46**	**49 B**
Valliant Fertilizer Co., Laurel, Del.													
Jewel 6-6-5	Salisbury	6.00	**5.97**	5.00	**4.84**	1.00	**1.13**	**.80**	6.00	**6.30**	5.00	**5.50**	**126 A**
Jewel 6-6-5	Cambridge	6.00	**6.22**	5.00	**5.05**	1.00	**1.17**	**.60**	6.00	**6.40**	5.00	**5.67**	**169 A**
Ideal 5-8-12	Salisbury	5.00	**5.05**	3.60	**2.98**	1.40	**2.07**	**2.00**	8.00	**7.40**	12.00	**12.40**	**46 A**
Ideal 5-8-12	Salisbury	5.00	**5.01**	3.60	**3.00**	1.40	**2.01**	**2.00**	8.00	**7.40**	12.00	**12.10**	**15 A**
Ideal 5-8-12	Salisbury	5.00	**4.97**	3.60	**3.60**	1.40	**1.37**	**.90**	8.00	**8.20**	12.00	**12.40**	**112 A**
Winner 4-8-10	Salisbury	4.00	**4.11**	3.25	**3.34**	.75	**.77**	**.70**	8.00	**8.60**	10.00	**10.48**	**67 A**

Winner 4-8-10	Salisbury	4.00	4.03	3.25	3.27	.75	.76	.70	8.00	8.70	10.00	10.40	14	A
Champion 4-8-7		4.00	4.09	3.40	3.48	.60	.61	.70	8.00	8.30	7.00	7.55	26	A
Arcadia 4-8-5		4.00	4.30	3.40	3.48	.60	.82	.50	8.00	8.00	5.00	6.44	62	B
Quality 3-8-10		3.00	3.00	2.70	2.53	.30	.47	.50	8.00	8.70	10.00	10.00	29	B
Quality 3-8-10		3.00	3.09	2.70	2.64	.30	.45	.30	8.00	8.40	10.00	10.08	21	B
Diamond 2-9-5		2.00	2.13	1.80	1.87	.20	.26	.80	9.00	9.60	5.00	5.52	51	B
Gem 2-8-10		2.00	2.39	1.70	2.04	.30	.35	.80	8.00	8.10	10.00	10.08	32	B
E. S. Valliant & Son, Centreville, Md.														
Booster 6-6-5	Centreville	6.00	6.09	5.00	4.91	1.00	1.18	.30	6.00	6.90	5.00	5.67	66	A
Booster 6-6-5	Centreville	6.00	6.01	5.00	4.90	1.00	1.11	.30	6.00	6.70	5.00	5.52	24	A
Harmony 4-8-7	Centreville	4.00	4.03	3.50	3.61	.50	.42	.20	8.00	8.40	7.00	7.56	0	
Harmony 4-8-7	Centreville	4.00	4.10	3.50	3.61	.50	.49	.30	8.00	8.50	7.00	7.37	35	B
Standard 4-8-5	Centreville	4.00	4.04	3.50	3.57	.50	.47	.20	8.00	8.50	5.00	5.40	90	B
Standard 4-8-5	Centreville	4.00	4.18	3.50	3.65	.50	.53	.20	8.00	8.60	5.00	5.82	105	B
Valliant's 3-12-6	Centreville	3.00	3.12	2.00	1.99	1.00	1.13	.80	12.00	12.00	6.00	6.75	44	A
Favorite 3-8-10	Centreville	3.00	3.00	2.60	2.63	.40	.37	.20	8.00	8.60	10.00	10.60	67	B
Favorite 3-8-10	Centreville	3.00	2.99	2.60	2.40	.40	.59	.40	8.00	8.50	10.00	11.48	122	B
Excelsior 2-12-6	Centreville	2.00	2.08	1.50	1.43	.50	.65	1.00	12.00	12.10	6.00	6.52	32	A
Keystone 2-9-5	Centreville	2.00	2.33	1.70	2.08	.30	.25	.90	9.00	9.00	5.00	5.74	11	B
Fall Keystone 2-9-5	Centreville	2.00	2.05	1.70	1.84	.30	.21	1.00	9.00	9.70	5.00	5.20	49	B
Winner 2-8-10	Centreville	2.00	2.16	1.60	1.66	.40	.50	.70	8.00	8.20	10.00	10.08	103	B
Winner 2-8-10	Centreville	2.00	2.08	1.60	1.70	.40	.38	.40	8.00	8.80	10.00	10.40	85	B
Grower 0-10-10	Centreville							1.40	10.00	10.20	10.00	10.00		
Grower 0-10-10	Centreville							1.40	10.00	10.10	10.00	10.24		
Harvest 0-12-5	Centreville							1.60	12.00	11.50	5.00	5.42		
W. H. Valliant & Bro., Bellevue, Md.														
Fish Brand Special 2-8-6	Bellevue	2.00	1.92	.50	.45	1.50	1.47	1.60	8.00	11.50	6.00	6.44	256	B
Virginia-Carolina Chemical Corp., Baltimore, Md.														
V-C 6-12-6 Fertilizer	Baltimore	6.00	6.09	4.50	4.63	1.50	1.46	.60	12.00	12.50	6.00	6.44	394	A
V-C 6% Truck Fertilizer 6-6-5	Baltimore	6.00	6.04	3.60	3.34	2.40	2.70	.70	6.00	6.20	5.00	5.35	144	B
V-C 6% Truck Fertilizer 6-6-5	Baltimore	6.00	6.00	3.60	3.61	2.40	2.39	.50	6.00	6.40	5.00	5.67	12	A
V-C. 6% Truck Fertilizer 6-6-5	Baltimore	6.00	6.01	3.60	3.59	2.40	2.42	.40	6.00	6.40	5.00	5.55	14	B
V-C. 5-8-12 Fertilizer	Baltimore	5.00	5.00	3.75	3.99	1.25	1.01	.30	8.00	8.40	12.00	12.42	168	A
V-C. 4-8-10 Fertilizer	Baltimore	4.00	4.10	3.00	2.91	1.00	1.19	.70	8.00	8.20	10.00	10.80	84	B
V-C. 4-8-10 Fertilizer	Baltimore	4.00	4.02	3.00	3.04	1.00	.98	.30	8.00	8.20	10.00	10.60	38	B
V-C. 4-8-10 Fertilizer	Baltimore	4.00	3.93	3.00	2.87	1.00	1.06	.70	8.00	8.20	10.00	11.02	60	B

‡Not licensed at time of sale.

*Total Phosphoric Acid

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total Found	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral Found	NITROGEN (N) Organic Declared	NITROGEN (N) Organic Found	PHOSPHORIC ACID (P_2O_5) Insoluble Found	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available Found	POTASH (K_2O) Guaranteed	POTASH (K_2O) Found	Acidity A Basicity B Found
Virginia-Carolina Chemical Corp., Baltimore, Md.,	(Continued)												
V-C. 4-8-10 Fertilizer	Baltimore	4.00	3.99	3.00	2.82	1.00	1.17	.70	8.00	8.30	10.00	10.40	68 B
V-C. 4-8-10 Fertilizer	Baltimore	4.00	4.02	3.00	2.92	1.00	1.10	.70	8.00	8.10	10.00	10.50	76 B
V-C. 4-8-7 Fertilizer	Baltimore	4.00	3.90	3.00	2.36	1.00	1.54	.40	8.00	9.50	5.00	5.04	40 B
V-C. 4-8-7 Fertilizer	Baltimore	4.00	3.97	3.00	2.71	1.00	1.26	.80	8.00	8.10	7.00	7.53	5 B
V-C. 4-8-5 Fertilizer	Baltimore	4.00	4.02	3.00	2.63	1.00	1.39	.90	8.00	8.90	5.00	5.35	71 B
‡V-C. 3-12-6 Fertilizer	Baltimore	3.00	3.09	2.25	2.20	.75	.89	1.20	12.00	12.20	6.00	6.21	84 A
V-C. 3-10-10 Fertilizer	Baltimore	3.00	3.17	2.25	2.20	.75	.97	.80	10.00	10.30	10.00	10.00	26 A
V-C. 3-8-10 Fertilizer	Baltimore	3.00	2.84	2.25	2.20	.75	.64	.50	8.00	8.60	10.00	11.48	15 B
V-C. 3-8-10 Fertilizer	Baltimore	3.00	2.97	2.25	1.96	.75	1.01	.60	8.00	8.70	10.00	11.18	1 B
V-C. 2-12-6 Fertilizer	Baltimore	2.00	2.11	1.50	1.47	.50	.64	1.00	12.00	12.00	6.00	6.52	23 A
V-C. Fish & Potash Mixture 2-9-5	Baltimore	2.00	1.99	1.50	1.10	.50	.89	1.10	9.00	9.20	5.00	5.50	2 A
V-C. Fish & Potash Mixture 2-9-5	Reisterstown	2.00	1.99	1.50	1.23	.50	.76	.60	9.00	9.30	5.00	5.44	52 B
V-C. Fish & Potash Mixture 2-9-5	Baltimore	2.00	2.12	1.50	1.45	.50	.67	.90	9.00	9.30	5.00	5.60	29 B
V-C. 2-8-10 Fertilizer	Baltimore	2.00	2.11	1.50	1.42	.50	.69	.50	8.00	8.30	10.00	10.40	51 B
V-C. 0-10-10 Fertilizer	Baltimore	.....	.....	.....	.....	.....	.....	.30	10.00	10.60	10.00	9.32	
V-C. 0-12-5 Fertilizer	Baltimore	.....	.....	.....	.....	.....	.....	.60	12.00	12.40	5.00	5.41	
V-C. Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	.50	16.00	16.80	.....	.....	
V-C. Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	.40	16.00	16.20	.....	.....	
Westminster Fertilizer Co., Westminster, Md.													
4-8-7	Westminster	4.00	4.02	3.25	2.99	.75	1.03	.40	8.00	8.90	7.00	7.76	5 A
2-12-6	Westminster	2.00	1.90	1.40	1.40	.60	.50	.80	12.00	11.70	6.00	7.29	51 A
2-9-5	Westminster	2.00	2.25	1.40	1.67	.60	.58	.90	9.00	9.40	5.00	6.68	5 A
Leader 1-10-5	Westminster	1.00	1.28	.50	.93	.50	.35	.60	10.00	10.80	5.00	6.60	47 B
Superphosphate 0-16-0	Westminster	.....	.....	.....	.....	.....	.....	.50	16.00	20.60	.....	.....	
A. S. Woolley Co., Inc., Seaford, Del.													
Woolley's Pride Fertilizer 4-8-5		4.00	3.68	3.20	2.60	.80	1.08	.30	8.00	8.90	5.00	5.04	60 B
Woolley's Better Crop Fertilizer 3-8-10		3.00	3.02	2.40	2.24	.60	.78	.40	8.00	8.80	10.00	9.32	19 A
Woolley's 5% Potash Mixture 0-12-5		.....	.....	.....	.....	.....	.....	.40	12.00	12.30	5.00	5.04	

Woolley's Better Crop Fertilizer 0-12-5														
Woolley's 5% Potash Mixture 0-12-5														
Worcester Fertilizer Co., Snow Hill, Md.														
Worcester's Correct Plant Food Mixture 6-6-5 Reg.	Pocomoke City	6.00	5.98	4.20	4.02	1.80	1.96	.30	6.00	7.10	5.00	5.54	262	A
Worcester's Correct Plant Food Mixture 6-6-5 Reg.	Snow Hill	6.00	5.98	4.20	4.18	1.80	1.80	.50	6.00	6.70	5.00	5.50	117	A
Worcester's Correct Plant Food Mixture 6-6-5 Reg.	Pocomoke City	6.00	6.04	4.20	4.16	1.80	1.88	.60	6.00	6.50	5.00	5.47	173	A
Worcester's Correct Plant Food Mixture 6-6-5 Reg.	Princess Anne	6.00	6.00	4.20	4.31	1.80	1.69	.40	6.00	6.60	5.00	5.90	185	A
Worcester's Cor't Plant Food Mix. 6-6-5 Gilt Edge	Snow Hill	6.00	6.19	3.60	3.20	2.40	2.93	.60	6.00	6.00	5.00	5.12	138	A
Worcester's Cor't Plant Food Mix. 6-6-5 Gilt Edge	Snow Hill	6.00	6.01	3.60	3.42	2.40	2.59	.40	6.00	6.60	5.00	5.45	96	A
Worcester's Correct Plant Food Mixture 5-8-12	Snow Hill	5.00	5.19	3.50	3.48	1.50	1.71	1.00	8.00	8.20	12.00	12.72	323	A
‡Worcester's Correct Plant Food Mixture 5-8-12	Princess Anne	5.00	5.31	3.50	3.75	1.50	1.56	.40	8.00	8.00	12.00	13.04	181	A
Worcester's Correct Plant Food Mixture 4-8-10	Snow Hill	4.00	4.00	2.80	2.56	1.20	1.44	1.10	8.00	8.30	10.00	10.80	194	A
Worcester's Correct Plant Food Mixture 4-8-10	Princess Anne	4.00	3.88	2.80	2.60	1.20	1.28	.30	8.00	8.90	10.00	10.00	158	A
Worcester's Correct Plant Food Mixture 4-8-10	Pocomoke City	4.00	4.04	2.80	2.75	1.20	1.29	.50	8.00	8.20	10.00	10.50	128	A
Worcester's Correct Plant Food Mixture 4-8-10	Snow Hill	4.00	4.06	2.80	2.95	1.20	1.11	.40	8.00	8.10	10.00	10.70	56	A
Worcester's Correct Plant Food Mixture 4-8-7	Snow Hill	4.00	4.03	2.80	2.86	1.20	1.17	.40	8.00	8.20	7.00	7.37	105	A
Worcester's Correct Plant Food Mixture 4-8-7	Princess Anne	4.00	4.04	2.80	2.78	1.20	1.26	.40	8.00	8.10	7.00	7.76	95	A
Worcester's Correct Plant Food Mixture 4-8-7	Pocomoke City	4.00	4.16	2.80	2.72	1.20	1.44	.50	8.00	8.50	7.00	7.45	43	A
Worcester's Correct Plant Food Mixture 4-8-5	Pocomoke City	4.00	4.21	2.80	2.85	1.20	1.36	.30	8.00	8.80	5.00	5.40	89	A
Worcester's Correct Plant Food Mixture 4-8-5	Snow Hill	4.00	3.97	2.80	2.68	1.20	1.29	.80	8.00	8.60	5.00	5.44	15	A
Worcester's Correct Plant Food Mixture 4-8-5	Princess Anne	4.00	4.00	2.80	2.92	1.20	1.08	1.00	8.00	8.40	5.00	5.42	9	B
Worcester's Correct Plant Food Mixture 4-8-5	Pocomoke City	4.00	4.00	2.80	2.53	1.20	1.47	.80	8.00	8.50	5.00	5.35	4	B
Worcester's Correct Plant Food Mixture 3-8-10	Pocomoke City	3.00	3.12	2.10	2.16	.90	.96	.50	8.00	8.30	10.00	10.80	9	B
Worcester's Correct Plant Food Mixture 3-8-10	Snow Hill	3.00	3.27	2.10	2.20	.90	1.07	.50	8.00	8.20	10.00	10.48	31	A
Worcester's Correct Plant Food Mixture 2-8-10	Snow Hill	2.00	2.49	1.40	1.76	.60	.73	.40	8.00	8.10	10.00	10.40	20	B
Superphosphate 0-16-0	Snow Hill							.40	16.00	16.30				

‡Not licensed at time of sale

FEED ANALYSES

(A) General Feeds

(B) Dog Foods

(C) Mineral Mixtures

The results obtained in the chemical and microscopical examination of feeds, dog foods, and mineral mixtures, are found on page 40 to 117. Feeds are considered seriously deficient as regards chemical analysis when they are one per cent or more deficient in protein, or one-half of one per cent deficient in fat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
C. L. Alexander, New Windsor, Md.	
Sam's Creek Laying Mash	New Windsor
Sam's Creek Starting and Growing Mash	New Windsor
E. T. Allen Co., Atlanta, Ga.	
Premier 45% Protein Peanut Meal	Frederick
Empire 41% Protein Peanut Meal	Colora
Empire 41% Protein Cottonseed Meal	Barnesville
Empire 41% Protein Cottonseed Meal	Mt. Airy
G. A. Allender, Elkton, Md.	
Dandy 24% Dairy Feed	Elkton
Dandy 16% Dairy Feed	Elkton
Dandy Laying Mash	Elkton
Dandy Scratch Feed	Elkton
Allied Mills, Inc., Chicago, Ill.	
41% Protein Soybean Oil Meal	Baltimore
Wayne Mash Concentrate	Maugansville
‡Wayne Sweet Mix	Maugansville
Amco 24% Dairy Ration	Grantsville
Wayne 24% Dairy Feed	Salisbury
Ideal 20% Dairy Ration	Grantsville
Amco 20% Dairy Ration	Grantsville
Empire 20% Dairy Ration	Salisbury
Wayne 20% Dairy Feed	Frederick
Empire 16½% Dairy Ration	Cumberland
Sucrene 16½% Dairy Ration	Grantsville
Ideal 16% Dairy Ration	Cumberland
Topper 16% Dairy Feed	Motters
Wayne 26% Mash Supplement, with Sardine Oil	Maugansville
Amco Super Egg Mash, with Sardine Oil	Grantsville
Empire Egg Mash with Sardine Oil	Salisbury
Empire Egg Mash	Salisbury
Empire Egg Mash	Maugansville
Topper Egg Mash	Salisbury
Topper Egg Mash	Maugansville
Amco Tip Top Mash	Cumberland
Amco Tip Top Mash	Grantsville
Wayne Egg and Breeder Mash, with Sardine Oil	Salisbury
Wayne Egg and Breeder Mash	Maugansville
Amco Growing Mash	Grantsville
Wayne Horse Feed	Salisbury
Amco 40% Mineralized Hog Supplement	Grantsville
Wayne Hog Supplement	Maugansville
Wayne Hog Supplement	Salisbury
Wayne Pig Starter	Woodsboro
Wayne Pork Maker	Cumberland
Amco Broiler Mash	Grantsville
Wayne Broiler Ration	Maugansville
Wayne Poultry Fattener	Maugansville
Amco Super Starting and Growing Mash, with Sardine Oil	Grantsville
Amco Super Starting and Growing Mash, with Sardine Oil	Grantsville

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.27	18.00	18.78	5.00	5.00	7.50	7.95	9.30	50.70	As declared on sack.
9.31	18.00	18.16	4.50	4.62	6.00	5.56	7.55	54.80	" "
6.86	45.00	45.37	7.00	7.10	10.00	9.21	4.10	27.36	" "
6.81	41.00	41.42	6.00	6.34	12.00	18.06	4.90	22.47	" "
6.94	41.00	40.98	5.50	5.92	13.00	11.45	6.25	28.46	" "
8.31	41.00	41.24	5.50	5.60	13.00	11.89	5.15	27.81	" "
9.65	24.00	26.09	4.00	4.95	11.00	11.98	6.54	40.79	" "
11.80	16.00	17.76	3.50	4.47	12.00	10.40	7.29	48.28	" "
8.31	20.00	23.08	4.50	6.36	9.00	7.29	9.80	45.16	" "
9.55	9.00	9.83	2.50	3.08	5.00	3.32	1.70	72.52	" "
8.52	41.00	43.70	5.00	5.99	7.00	5.94	5.70	30.15	" "
7.44	32.00	36.52	4.00	4.29	8.00	6.44	20.05	25.26	" "
9.78	27.00	30.62	4.00	4.02	8.00	7.98	8.06	39.54	" "
9.29	24.00	25.75	4.00	4.40	9.00	9.24	8.52	42.80	" "
9.32	24.00	24.54	4.00	4.38	9.00	9.00	6.94	45.82	" "
9.52	20.00	21.24	3.50	4.78	12.00	10.95	8.96	44.55	" "
8.67	20.00	23.10	4.00	4.13	9.00	9.00	8.71	46.39	" "
8.80	20.00	21.01	3.50	4.29	12.00	11.01	8.52	46.37	" "
10.50	20.00	20.17	4.00	4.38	9.00	8.61	6.83	49.51	" "
9.97	16.50	16.55	3.50	3.52	12.00	11.33	7.45	51.18	" "
8.14	16.50	18.22	3.00	4.53	12.00	9.21	9.77	50.13	" "
9.52	16.00	17.48	3.00	3.88	12.00	12.14	11.88	45.10	" "
10.19	16.00	17.33	3.00	3.42	12.00	12.21	8.03	48.82	" "
9.09	26.00	26.32	4.00	7.69	10.00	9.39	14.65	32.86	" "
7.72	18.50	20.36	4.00	5.24	7.00	7.03	6.40	53.25	" "
8.01	16.50	18.25	3.50	5.07	7.00	8.39	8.10	52.18	" "
8.41	16.50	18.52	3.50	4.56	7.00	8.43	6.50	53.58	" "
7.35	16.50	18.08	3.50	4.37	7.00	6.97	8.25	54.98	" "
7.14	18.00	19.04	3.50	4.44	10.00	7.14	9.55	52.69	" "
8.43	18.00	18.95	3.50	4.76	10.00	6.08	9.45	52.33	" "
8.03	17.50	17.46	3.50	4.72	7.00	6.54	8.00	55.25	" "
8.19	17.50	18.52	3.50	5.50	7.00	6.71	8.00	53.08	" "
8.06	18.00	19.83	3.50	6.10	7.00	6.82	8.65	50.54	" "
9.64	18.00	20.88	3.50	4.69	7.00	7.08	9.10	48.61	" "
9.81	17.00	18.16	4.00	4.97	6.00	5.21	5.50	56.35	" "
9.32	9.50	10.95	3.00	3.37	8.00	6.23	2.89	67.24	" "
9.33	40.00	42.31	4.50	4.57	8.00	4.83	13.95	25.01	" "
8.66	40.00	42.52	4.50	5.49	7.00	6.87	12.26	24.20	" "
8.76	40.00	40.24	4.50	5.21	7.00	6.74	13.53	25.52	" "
11.36	18.00	18.80	3.50	4.72	7.00	5.21	7.99	51.92	" "
10.79	14.00	14.07	3.50	4.15	7.00	5.60	5.75	59.64	" "
7.33	18.00	20.36	3.50	5.52	8.00	7.76	8.15	50.88	" "
8.49	18.00	18.78	3.50	5.17	8.00	7.27	6.80	53.49	" "
8.85	13.50	15.71	3.50	5.94	8.00	7.12	4.05	58.33	" "
10.33	17.00	18.25	4.00	5.26	6.00	6.05	7.70	52.41	" "
8.16	17.00	19.39	4.00	4.39	6.00	6.02	7.10	54.94	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Allied Mills, Inc., Chicago, Ill., (Continued)	
Tip Top Starter and Grower	Cumberland
Tip Top Starter and Grower, with Sardine Oil	Cumberland
Wayne Chick Mash Concentrate, with Sardine Oil	Maugansville
Wayne Chick Starter	Maugansville
American Maize-Products Co., New York, N.Y.	
Cream of Corn Gluten Feed	Gaithersburg
American Stores Co., Philadelphia, Pa.	
Farmdale Laying Mash	Frostburg
Farmdale Starting and Growing Mash	Frostburg
Farmdale Scratch Grains	Frostburg
Anchor Mills, Hagerstown, Md.	
Zip Egg Mash	White Hall
Zip Egg Mash	Trego
Anderson Grain & Feed Co., York, Pa.	
Anderson 32 Dairy Mixing Ration	Jarrettsville
Anderson 24 Dairy Feed	Jarrettsville
Anderson 20 Dairy Feed	Street
Anderson 16 Dairy Feed	Hagerstown
Anderson Laying Mash, with Cod Liver Oil	Street
Anderson Laying Mash, with Cod Liver Oil	Street
White Rose Growing Mash	Hagerstown
Andreson 16 Hog Meal	Hagerstown
Anderson Starting Mash, with Cod Liver Oil	Jarrettsville
Anderson All Mash Starter and Grower, with Cod Liver Oil	Jarrettsville
Angle Roller Miller, Berkeley Springs, W. Va.	
*Pure Soft Winter Wheat Bran	Chewsville
Anheuser-Busch, Inc., St. Louis, Mo.	
‡Budweiser Brand Brewers' Dried Grains	Ridgely
Anne Arundel County Farmers' Association, Baltimore, Md.	
Anarco Egg Mash	Baltimore
Anarco Growing Mash	Baltimore
Anarco Broiler Mash	Baltimore
Anarco Hog Feed	Baltimore
Anarco Baby Chick Grains	Baltimore
Anarco Intermediate Scratch Feed	Baltimore
Anarco Scratch Feed	Baltimore
Arcady Farms Milling Co., Chicago, Ill.	
Arcady Wonderlas	Chewsville
Provo 16% Dairy Feed	Chewsville
‡Beets-Oats Horse and Mule Feed	Chewsville
*‡Wonder Calf Meal	Chewsville
Archer-Daniels-Midland Co., Minneapolis, Minn.	
41% Protein O. P. Soybean Oil Meal	Frederick

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.32	16.00	16.94	3.50	5.32	6.00	7.44	8.45	52.53	As declared on sack.
10.15	16.00	16.50	3.50	4.92	6.00	6.41	7.10	54.92	" "
6.39	28.00	31.77	4.00	4.34	8.00	7.30	15.80	34.40	" "
9.75	17.00	18.95	4.00	6.03	6.00	5.81	7.75	51.71	" "
9.27	25.00	27.29	2.00	3.42	8.50	8.24	6.50	45.28	" "
7.89	20.00	20.45	5.00	6.03	7.00	6.38	9.60	49.65	" "
8.38	16.00	16.23	4.00	6.48	5.00	7.35	10.60	50.96	" "
11.32	10.00	10.09	2.50	2.52	4.00	2.42	2.30	71.35	" "
7.73	18.00	18.87	4.00	5.48	6.00	6.52	7.30	54.10	A.
8.11	18.00	20.18	4.00	5.57	6.00	5.50	8.90	51.74	A.
9.03	32.00	32.92	4.00	4.66	10.00	7.36	9.10	36.93	As declared on sack.
9.67	24.00	24.22	4.00	3.87	12.00	10.77	9.81	41.66	" "
12.41	20.00	21.06	4.00	4.07	12.00	12.05	7.82	42.59	" "
8.02	16.00	18.06	3.50	3.85	13.00	13.18	9.66	47.23	" "
8.87	20.00	21.24	3.50	5.02	8.50	7.75	11.45	45.67	" "
7.32	20.00	20.80	3.50	5.58	8.50	7.39	10.20	48.71	" "
9.75	16.00	16.50	4.00	6.32	7.50	6.39	9.10	51.94	" "
8.98	16.00	18.88	4.00	5.01	10.00	6.77	9.17	51.19	" "
8.40	16.00	17.11	4.00	4.62	7.50	5.71	6.60	57.56	" "
8.31	16.00	16.85	4.00	5.47	7.50	6.50	7.60	55.27	" "
9.23	14.00	14.22	4.00	2.96	9.00	5.91	4.90	62.78	" "
7.24	20.00	21.76	5.00	5.43	20.00	18.46	4.50	42.61	" "
7.44	22.00	23.69	5.00	6.83	8.00	6.36	12.80	42.88	" "
7.85	17.00	19.31	5.00	5.67	6.00	4.55	8.55	54.07	" "
7.80	20.00	19.13	5.00	6.04	7.00	5.76	8.30	52.97	" "
7.63	21.00	21.41	6.00	6.30	7.00	10.36	7.80	46.50	C.
9.43	10.00	11.23	2.50	5.89	3.00	2.16	2.15	69.14	As declared on sack.
10.37	10.00	10.27	2.50	3.58	3.00	1.79	1.70	72.29	B.
10.72	10.00	9.96	2.50	3.34	4.00	3.40	1.80	70.78	As declared on sack.
8.01	30.00	31.97	4.00	4.76	6.00	7.88	11.47	35.91	" "
8.50	16.00	16.86	3.00	2.93	13.50	13.32	13.45	44.94	" "
9.64	10.00	10.76	3.00	3.57	10.00	8.16	5.65	62.22	" "
10.16	25.00	26.32	4.50	3.76	5.00	4.71	6.50	48.55	" "
9.24	41.00	44.23	4.50	4.51	7.00	4.96	6.20	30.86	" "

A. Ingredients on sack differ from license.
B. Also detected Barley.
C. Unable to detect Alfalfa Leaf Meal—also detected Alfalfa Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Archer-Daniels-Midland Co., Minneapolis, Minn., (Continued)	
44% Protein New Process Soybean Oil Meal	Ellicott City
34% Protein O. P. Linseed Meal	Hagerstown
*Dairyland Dried Buttermilk	Baltimore
Dairyland Dried Skim Milk	Hagerstown
Dairyland Dried Skim Milk	Baltimore
Ashcraft-Wilkinson Co., Atlanta, Ga.	
Hi-Pro Brand Prime Peanut Meal 45%	Derwood
Cow-Eta Brand 41% Protein Prime Quality Cotton Seed Meal	Westminster
Cow-Eta Brand 41% Protein Prime Quality Cotton Seed Meal	Westminster
Cow-Eta Brand 41% Protein Prime Quality Cotton Seed Meal	Hagerstown
Cow-Eta Brand 41% Protein Prime Quality Cotton Seed Meal	Derwood
Atlantic Supply Co., Baltimore, Md.	
†Meat and Bone Scrap	Westminster
*Meat and Bone Scrap	Walkersville
Poultry Steamed Bone Meal	Salisbury
‡§Fish Meal	Walkersville
Fish Meal	New Windsor
‡Fish Meal	Baltimore
‡Atlantic Crab Meal	Cumberland
‡60% Digester Tankage	Walkersville
Baltimore Feed & Grain Co., Baltimore, Md.	
BBL. 32% Dairy Feed	Baltimore
BBL. 24% Dairy Feed	Baltimore
BBL. 20% Dariy Feed	Baltimore
BBL. 16½% Dairy Feed	Baltimore
BBL. Egg Mash	Baltimore
BBL. All Mash Laying Ration, BM. and Mineral	Baltimore
BBL. Improved Laying Mash	Baltimore
BBL. Cod-Mlk-O-Lay Breeding Mash, with BM., Cod Liver Oil and Mineral Supplement	Baltimore
BBL. Cod-Mlk-O-Gro	Baltimore
BBL. Growing Mash, with DBM. and Minerals	Baltimore
BBL. Brolier Feed	Baltimore
BBL. 85% Horse Feed	Baltimore
BBL. 40%Horse Feed	Baltimore
BBL. Hog Feed	Baltimore
BBL. Cod-Mlk-O-Chick Starter, with DBM., Cod Liver Oil and Minerals	Baltimore
*BBL. Baby Chick Feed	Baltimore
*BBL. Chick Developing Grains	Baltimore
BBL. Recleaned Scratch Feed	Baltimore
BBL. Special Scratch Feed	Baltimore
Victory Scratch Feed	Baltimore
BBL. Breeding Pigeon Feed	Baltimore
BBL. Special Breeding Pigeon Feed	Baltimore
BBL. Rapid Flight Racing Pigeon Feed	Baltimore
Baltimore Pure Rye Distilling Co., Dundalk, Md.	
§Dried Rye Distillers' Grains	Union Bridge

*Deficient in protein or fat.
†Deficient in both protein and fat.
‡Not licensed at time of sale.
§Required information not shown on label.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.91	44.00	46.51	.50	1.07	7.00	5.80	6.80	29.91	As declared on sack.
8.19	34.00	34.49	4.50	4.75	9.00	7.59	6.45	38.53	" "
.....	32.00	30.98	5.00	x 5.84	.....	.....	9.50	.....	As declared on sack.
.....	32.00	32.29	.50	x 1.69	.....	.....	8.65	.....	" "
.....	32.00	33.70	.50	x .93	.....	.....	9.10	.....	" "
8.11	45.00	45.37	6.00	7.49	12.00	12.64	5.65	20.74	" "
7.74	41.00	41.07	5.00	5.48	13.00	11.01	5.90	28.80	" "
6.09	41.00	41.07	5.00	6.12	13.00	12.49	5.95	28.28	" "
5.72	41.00	41.94	5.00	5.82	13.00	11.03	6.40	29.09	" "
6.64	41.00	41.07	5.00	6.07	13.00	12.51	6.20	27.51	" "
4.89	50.00	47.13	8.00	7.37	2.00	2.03	36.65	1.93	" "
5.25	50.00	48.44	8.00	7.98	2.00	1.79	36.00	.54	" "
2.21	5.00	6.67	2.00	1.68	2.00	.67	86.70	2.07	" "
6.65	58.00	60.28	6.00	8.49	1.00	.64	15.30	8.64	" "
6.60	58.00	60.20	6.00	6.17	1.00	.69	20.05	6.29	" "
7.64	58.00	59.23	6.00	9.04	1.00	.43	18.70	4.96	" "
7.54	31.00	31.33	1.00	2.09	8.00	11.42	46.35	1.27	" "
7.60	60.00	59.18	8.00	9.13	2.00	1.99	19.00	3.10	" "
10.06	32.00	32.38	4.00	4.78	10.00	12.42	7.13	33.23	" "
10.27	24.00	25.62	4.50	4.69	10.00	8.99	6.68	43.75	" "
9.80	20.00	21.29	4.50	4.42	12.00	7.61	5.77	51.11	" "
9.28	16.50	16.69	3.00	3.95	13.00	8.08	7.53	54.47	" "
8.75	20.00	20.71	4.50	4.88	9.00	8.30	7.65	49.71	" "
9.65	15.00	16.50	4.00	4.59	5.50	4.69	8.30	56.27	" "
8.49	20.00	20.01	4.00	5.77	6.50	6.30	10.50	48.93	" "
7.61	20.00	19.92	4.00	5.53	6.50	7.26	11.80	47.88	" "
8.84	18.00	17.55	4.50	5.35	6.50	5.48	8.75	54.03	" "
7.78	18.00	17.95	5.00	5.04	8.50	9.41	10.60	49.22	" "
8.41	18.00	18.60	4.50	6.44	6.00	5.83	8.00	52.72	" "
9.25	9.00	10.46	3.00	3.01	9.00	7.00	3.62	66.66	" "
9.89	7.00	9.29	2.50	3.97	13.00	9.11	4.65	63.09	" "
11.13	18.00	18.87	4.50	5.31	8.00	6.86	8.55	49.28	" "
8.67	16.00	17.02	4.50	5.07	5.00	5.03	8.80	55.41	" "
10.99	10.00	12.20	3.00	2.37	3.00	2.25	2.45	69.74	" "
11.22	10.00	11.23	3.00	2.33	3.00	2.35	1.60	71.27	" "
11.37	10.00	11.58	3.00	2.66	3.00	2.32	1.50	70.57	" "
12.48	10.50	9.65	3.50	2.68	2.50	1.95	1.35	71.89	" "
11.66	10.00	11.67	3.00	2.62	3.00	2.69	1.45	69.91	" "
9.85	14.00	16.50	3.00	3.45	5.00	4.64	2.60	62.96	" "
9.92	14.00	14.39	3.00	3.67	5.00	4.19	3.45	64.38	" "
10.08	17.50	19.31	3.00	3.49	5.00	4.28	2.60	60.24	" "
5.91	16.00	16.23	5.00	5.66	20.00	16.30	1.50	54.40	" "

B. Acid Insoluble Ash 0.15%
x. Fat as determined by the Roese-Gottlieb Method.

Manufacturer and Brand Name	Sampled From
Baltimore Pure Rye Distillers' Co., Dundalk, Md., (Continued)	
Dried Rye Distillers' Grains	Baltimore
Dried Rye Distillers' Grains	Linwood
§Dried Rye Distillers' Grains	Westminster
Bartlett Frazier Co., St. Louis, Mo.	
Wheat Bran, with Ground Screenings	Easton
Baugh & Sons Co., Baltimore, Md.	
Duplex Egg Producer Meat Scrap	Princess Anne
Baugh's Oldest Brand Meat and Bone Scrap	Berlin
Baugh's 58% Fish Meal	St. Michaels
Baugh's 58% Fish Meal	Baltimore
Baugh's Sterilized Steamed Bone For Feeding	Baltimore
‡Baugh's 24% Dairy Feed	Georgetown
Baugh's No. 1 Laying Mash	Salisbury
Beacon Milling Co., Inc., Cayuga, N.Y.	
Beacon "32"	Princess Anne
Beacon Sweet "24"	Princess Anne
Beacon's Cayuga Laying Mash, with BM	Princess Anne
Beacon Egg Mash, with BM	Snow Hill
Cayuga 16% Pasture and Fitting Ration	Princess Anne
Beacon Broiler Feed	Snow Hill
Beacon Hog Feed	Princess Anne
Beacon Complete Starting Ration	Snow Hill
J. L. Beauchamp & Son, Delmar, Del.	
Delmar Laying Mash	
J. B. Laying Mash	
J. B. All Mash Grow	
*J. B. Scratch Feed	
G. T. Bell & Son, Federalsburg, Md.	
Pure Wheat Bran	Federalsburg
†Pure Wheat Middlings	Federalsburg
J. P. Bennett & Sons, Mardela Springs, Md.	
Bennett Best Laying Mash	Mardela Springs
D. M. Laying Mash	Mardela Springs
Bennett's Best Hog Feed	Mardela Springs
Bennett's Best Developing Ration	Mardela Springs
Bennett's Best Chick Starter	Mardela Springs
Bennett's Best Scratch Feed	Mardela Springs
Berlin Feed Store, Berlin, Md.	
B.F.S. Laying Mash, with Dried Milk and Cod Liver Oil	Berlin
Berlin Milling Co., Inc., Salisbury, Md.	
Economy Growing Mash	Salisbury
Economy Starter and Broiler Mash	Salisbury
Joseph Beste & Son, Wilmington, Del.	
*Beste's Meat and Bone Scrap	Elkton

*Deficient in protein or fat.
§Required information not shown on label.
‡Not licensed at time of sale.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.66	16.00	16.23	5.00	5.94	20.00	15.60	1.60	53.97	As declared on sack.
5.42	16.00	16.67	5.00	5.81	20.00	15.51	1.60	54.99	" "
5.34	16.00	17.20	5.00	5.48	20.00	13.81	1.35	56.82	" "
8.05	14.50	15.45	3.50	3.81	11.00	10.77	7.05	54.87	" "
6.05	55.00	55.02	6.00	10.81	3.00	3.16	26.05	.....	" "
5.26	50.00	50.99	6.00	11.18	3.00	2.45	30.00	.12	" "
6.47	58.00	58.27	5.00	10.77	3.00	.54	19.50	4.45	" "
8.17	58.00	59.58	5.00	11.57	3.00	.51	16.80	3.37	" "
5.61	5.00	6.32	.20	.69	4.00	.42	85.90	1.06	" "
10.26	24.00	24.51	4.00	4.64	10.00	10.80	8.02	41.77	" "
8.55	20.00	19.66	4.00	4.81	7.00	7.14	8.60	51.24	" "
9.00	32.00	31.99	4.50	4.41	8.50	7.53	9.24	37.83	" "
8.51	24.00	24.07	4.00	4.63	9.00	8.42	8.25	46.12	" "
7.56	20.00	21.67	4.00	6.34	7.00	6.63	11.20	46.60	" "
7.03	22.00	22.64	4.50	6.53	7.00	7.21	11.40	45.19	" "
8.31	16.00	19.26	3.50	3.59	9.00	9.04	9.04	50.76	A.
7.15	17.00	18.08	4.00	4.85	6.00	5.48	8.80	55.64	As declared on sack.
8.34	18.00	21.59	5.00	6.01	7.00	5.94	8.30	49.82	" "
7.64	17.50	19.04	4.00	5.93	6.00	6.15	9.23	52.01	" "
7.63	20.00	20.80	4.00	6.58	8.00	7.19	9.55	48.25	" "
8.34	16.00	21.15	4.50	4.81	8.00	6.59	7.20	51.91	" "
7.73	17.00	19.57	4.50	4.79	7.00	5.31	9.55	53.05	" "
9.75	8.81	10.09	3.46	2.72	4.08	3.28	2.00	72.16	" "
7.72	14.50	14.22	4.00	4.60	9.00	9.71	6.55	57.20	" "
9.59	15.00	12.46	4.00	2.80	5.00	2.33	1.75	51.07	" "
7.50	20.00	21.24	4.00	5.50	9.00	7.46	12.45	45.85	" "
6.64	20.00	20.45	4.00	4.56	9.00	6.24	10.20	51.91	" "
9.74	16.00	18.95	4.00	4.33	10.00	7.93	11.40	47.65	" "
9.71	16.00	18.43	4.00	4.73	8.00	5.14	8.60	53.39	" "
10.63	15.00	15.80	4.00	4.37	7.00	4.61	9.05	55.54	" "
11.47	8.00	10.18	2.00	3.15	4.00	3.86	1.80	69.54	" "
6.45	20.00	21.32	4.50	4.93	6.00	6.44	11.60	49.26	" "
8.45	15.00	16.15	4.50	4.44	5.00	7.21	9.40	54.35	" "
7.78	18.00	18.25	4.50	5.27	4.50	5.31	10.90	52.49	" "
5.65	50.00	48.97	6.00	10.34	3.00	2.14	32.35	.55	" "

A. Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Geo. W. Biles Co., Inc., Providence, Md.	
Cecil County Laying Mash	Providence
Pure Ground Oats	Providence
Pure Ground Barley	Providence
Binger Brothers, Inc., Upper Marlboro, Md.	
Red Star Laying Mash, with BM.	Upper Marlboro
Red Star Laying Mash, with BM.	Upper Marlboro
Special Egg Mash	Upper Marlboro
Red Star Growing Mash, with BM.	Upper Marlboro
Red Star Pig Meal	Upper Marlboro
Red Star Chic-A	Upper Marlboro
*Red Star Chic Scratch	Upper Marlboro
Red Star Developing Scratch	Upper Marlboro
Red Star Scratch Feed	Upper Marlboro
Bisbee Linseed Co., Inc., Amsterdam, N.Y.	
Bisbee Brand 34% Protein O. P. Linseed Meal	Detour
Bisbee Brand 34% Protein O. P. Linseed Meal	Ellicott City
Bisbee Brand 34% Protein O. P. Linseed Meal	Baltimore
Blatchford Calf Meal Co., Waukegan, Ill.	
V-D.	Newark
Borden Co., New York, N. Y.	
"Flaydry"	Baltimore
"Flaydry"	Frederick
Bowman Brothers, Gaithersburg, Md.	
Gild Edge Dairy Feed	Gaithersburg
Gilt Edge Laying Mash	Gaithersburg
Gilt Edge Growing Mash	Gaithersburg
Pure Wheat Bran	Gaithersburg
Wheat Middlings, M.R.S.	Gaithersburg
*Gilt Edge Starting Mash	Gaithersburg
Gilt Edge Scratch Feed	Gaithersburg
Bradley & Baker, Baltimore, Md.	
Bradbake Brand 55% Meat Meal	Baltimore
Bradbake Brand 50% Meat and Bone Scrap	Hampstead
Bradbake Brand 50% Meat and Bone Scrap	Woodsboro
Bradbake Brand 50% Meat and Bone Scrap	Baltimore
Bradbake Brand 50% Meat and Bone Scrap	Germantown
Brandbake Brand Steamed Bone Meal	Linwood
Bradbake Pure Fish Meal	Germantown
Bradbake Brand Dried Beet Pulp	Baltimore
C. H. Braun & Sons, Inc., Baltimore, Md.	
*Encore Brand 50% Meat and Bone Scrap	Baltimore
Encore Brand 45% Meat and Bone Scrap	Hagerstown
Encore Brand 45% Meat and Bone Scrap	Cardiff
Encore Brand 60% Digester Tankage	Woodbine

*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.89	20.00	20.71	4.00	4.95	8.00	6.06	4.35	56.04	As declared on sack.
7.21	11.00	10.97	4.00	3.88	12.00	15.00	4.90	58.04	" "
9.64	10.00	10.27	2.00	2.07	7.00	7.21	2.65	68.16	" "
9.51	20.00	21.58	4.50	5.33	7.00	6.56	12.20	44.82	" "
8.84	20.00	21.67	4.50	5.89	7.00	6.81	11.20	45.59	" "
9.56	20.00	21.41	4.50	5.06	8.00	7.22	8.65	48.10	" "
10.47	16.00	16.06	4.00	5.11	7.00	5.92	10.25	52.19	" "
9.55	16.00	17.29	4.00	5.22	7.00	8.03	7.25	52.66	" "
9.53	15.00	17.99	4.00	5.67	5.00	4.56	8.45	53.80	" "
11.49	10.00	10.18	4.00	3.08	4.00	1.66	1.40	72.19	A.
11.56	10.00	9.21	2.50	3.48	5.00	1.87	1.55	72.33	As declared on sack.
12.24	10.00	9.65	2.50	2.82	5.00	2.49	1.75	71.05	" "
8.35	34.00	34.75	5.00	5.53	10.00	8.22	6.80	36.35	B.
9.00	34.00	33.96	5.00	5.81	10.00	8.43	6.45	36.35	C.
8.24	34.00	33.96	5.00	5.51	10.00	9.75	6.55	35.99	D.
7.22	31.00	31.77	5.00	6.52	5.75	5.52	10.35	38.62	As declared on sack.
.....	18.00	26.32	.50	x 1.58	.....	.....	12.65	.....	" "
.....	18.00	25.97	.50	x 1.86	.....	.....	10.90	.....	" "
8.17	26.00	25.97	5.00	5.71	9.00	9.38	8.85	41.92	E.
10.71	19.00	19.22	5.00	5.04	6.00	6.08	9.60	49.35	As declared on sack.
8.31	16.00	15.97	3.50	5.22	6.00	6.21	5.35	58.94	" "
10.26	13.50	13.34	3.20	4.09	9.27	12.08	6.60	53.63	" "
9.89	13.50	13.34	3.20	3.67	9.27	5.20	3.00	64.90	" "
11.10	17.00	15.80	3.50	4.72	5.00	5.36	5.95	57.07	" "
11.98	9.00	8.78	2.00	1.87	2.00	2.85	1.05	73.47	F.
5.59	55.00	54.14	6.00	8.05	3.00	1.58	30.45	.19	G.
5.23	50.00	50.28	6.00	8.01	3.00	1.95	32.70	1.83	As declared on sack.
5.21	50.00	50.99	6.00	7.63	3.00	1.89	32.80	1.48	" "
5.50	50.00	49.93	6.00	7.27	3.00	1.72	33.55	2.03	" "
6.03	50.00	50.34	6.00	9.27	3.00	1.43	21.25	11.68	" "
2.51	5.00	6.05	.20	.12	4.00	.55	87.40	3.37	" "
8.36	58.00	59.94	6.00	8.42	3.00	.51	16.40	6.37	" "
7.84	7.50	8.25	.50	.46	20.00	20.00	3.60	59.85	" "
5.49	50.00	48.62	6.00	11.95	3.00	1.99	31.10	.85	" "
6.12	45.00	47.04	6.00	13.21	3.00	1.83	27.45	4.35	" "
6.79	45.00	45.54	6.00	12.50	3.00	2.36	29.42	3.39	" "
11.10	60.00	60.11	6.00	6.85	3.00	1.24	23.10	.....	" "

A. Also detected Cut Hulled Oats.
B. Acid Insoluble Ash 0.80%.
C. Acid Insoluble Ash 0.52%
D. Acid Insoluble Ash 1,23%.
E. Unable to detect Linseed Oil Meal—also detected Colza Oil Meal.
F. Unable to detect Oats, Milo or Kaffir, Buckwheat.
G. Should be designated as Meat and Bone Scrap.
x. Fat as determined by the Roese-Gottlieb Method.

Manufacturer and Brand Name	Sampled From
P. M. Brooks, Chestertown, Md.	
Rose Bud Egg Mash	Chestertown
*Rose Bud Egg Mash	Chestertown
Pure Wheat Bran	Chestertown
Pure Wheat Middlings	Chestertown
Brooks Supply Co., Reisterstown, Md.	
"Brooks Special" Egg Mash	Reisterstown
"Brooks Special" Starter and Grower	Reisterstown
W. K. Brown, Baltimore, Md.	
‡Worthmore Scratch Feed	Baltimore
Herbert Bryant Inc., Alexandria, Va.	
50% Meat and Bone Scrap For Poultry	Washington Grove
*50% Meat and Bone Scrap For Poultry	Gaithersburg
45% Meat and Bone Scrap For Poultry	Washington Grove
45% Meat and Bone Scrap For Poultry	Washington Grove
Pure Ground Fish For Poultry	Washington Grove
Pure Ground Fish For Poultry	Gaithersburg
Bryant's Home 32% Dairy Feed	Washington Grove
Bryant's Home 26% Dairy Feed	Washington Grove
Bryant's 20% Prize Winner Dairy Feed	Washington Grove
Bryant's Home 20% Dairy Feed	Washington Grove
Bryant's New Deal Laying Mash	Washington Grove
"HB" Laying Mash	Washington Grove
Bryant's New Deal Growing Mash	Washington Grove
"HB" Growing Mash	Washington Grove
"HB" Broiler Mash	Washington Grove
"HB" All Mash Chick Starter	Washington Grove
Corn Feed Meal	Washington Grove
"HB" All Mash Turkey Starter and Grower	Washington Grove
C. W. Burckhalter, Inc., New York, N. Y.	
Burck Brand Powdered Skim Milk	Berlin
Calvary Roller Mill, Aberdeen, Md.	
*Pure Grain Dairy Ration	Aberdeen
Calvary Laying Mash	Aberdeen
Cambridge Manufacturing Co., Cambridge, Md.	
‡New-Vim Molasses Dairy Feed	Cambridge
‡New-Vim Molasses Dairy Feed	Cambridge
*‡New-Vim Molasses Dairy Feed	Cambridge
‡New-Vim Molasses Dairy Feed	Cambridge
‡Gets Em Laying Mash	Cambridge
‡New-Vim Special Laying Mash	Cambridge
‡Broiler Mash	Cambridge
‡Wheat Bran	Cambridge
‡Wheat Middlings	Cambridge
‡Super Chick Starter	Cambridge
*‡New-Vim Scratch Feed	Cambridge

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.65	19.00	18.78	4.50	5.34	7.00	6.92	11.25	48.06	As declared on sack.
7.54	19.00	17.99	4.50	5.94	7.00	6.49	11.80	50.24	" "
7.23	12.00	12.51	3.50	4.16	10.00	12.29	6.60	57.21	" "
9.19	12.00	12.55	3.50	3.63	5.00	4.52	3.50	66.61	" "
8.20	18.00	19.83	4.00	4.73	7.00	7.24	7.20	52.80	" "
10.20	17.00	17.72	4.00	4.79	8.00	6.49	7.25	53.55	A.
11.30	9.00	10.00	2.50	2.57	5.00	2.94	1.45	71.74	As declared on sack.
6.55	50.00	49.14	10.00	11.67	2.00	2.03	30.50	.11	" "
5.61	50.00	48.99	10.00	9.86	2.00	1.97	32.80	.77	" "
5.97	45.00	45.54	10.00	10.98	2.00	2.41	32.00	3.10	" "
6.06	45.00	45.06	10.00	12.70	2.00	2.04	32.60	1.54	" "
8.92	58.00	57.39	7.00	10.14	1.00	.91	22.15	.49	" "
7.63	58.00	58.27	7.00	10.45	1.00	.62	18.20	4.83	" "
8.63	32.00	34.05	4.00	5.65	10.00	11.10	8.10	32.47	B.
8.65	26.00	28.52	4.00	4.92	11.00	10.34	8.00	39.57	B.
9.92	20.00	20.80	5.00	4.76	12.00	9.62	6.65	48.25	As declared on sack.
9.66	20.00	22.29	3.50	5.76	11.00	9.32	7.50	45.47	B.
9.89	18.00	18.60	4.50	5.29	7.00	7.37	9.55	49.30	As declared on sack.
9.85	19.00	20.01	5.00	5.86	6.50	6.10	9.85	48.33	" "
9.17	18.00	18.87	4.50	6.17	7.00	7.54	8.70	49.55	C.
9.89	16.00	17.02	4.00	4.84	6.00	5.69	8.77	53.79	As declared on sack.
10.11	20.00	20.01	4.50	5.72	7.00	6.98	9.10	48.08	" "
11.06	18.00	19.13	4.00	5.37	5.00	3.02	8.15	53.27	" "
10.12	8.00	9.83	3.00	5.51	4.00	4.18	2.15	68.21	" "
9.01	22.00	22.03	5.00	5.86	5.00	4.35	9.05	49.70	" "
.....	32.00	33.87	.75	x 1.34	.....	.....	8.30	.....	" "
7.07	20.00	18.43	4.50	4.59	10.00	8.44	7.60	53.87	C.
7.62	18.00	18.52	5.00	5.17	7.00	7.59	11.60	49.50	As declared on sack.
9.42	32.00	31.42	4.50	4.44	9.00	9.07	7.89	37.76	As declared on sack.
8.27	24.00	24.33	4.00	3.98	9.50	10.12	8.18	45.12	" "
11.81	20.00	19.04	4.00	3.35	10.00	9.95	6.79	49.06	E.
10.53	16.00	17.94	3.00	3.45	12.00	9.93	7.33	50.82	E.
9.71	20.00	19.96	5.00	5.34	7.00	6.89	10.55	47.55	As declared on sack.
9.09	20.00	20.62	5.00	4.99	7.00	4.92	11.55	48.83	" "
9.12	17.00	16.50	4.00	5.01	5.00	4.07	7.80	57.50	" "
7.85	14.00	13.61	4.00	4.09	10.00	10.88	6.60	56.97	" "
10.49	14.00	13.42	4.00	3.78	10.00	3.35	2.50	66.46	D.
9.14	14.00	15.27	4.00	4.73	5.50	4.33	7.55	58.98	As declared on sack.
10.51	9.00	9.65	3.00	2.47	10.00	3.09	1.85	72.43	" "

A. Ingredients on sack differ from license.
B. Fibre guarantee on sack differs from license.
C. Ingredients on sack differ from license.
D. Protein and Fibre guarantee on sack differ from license.
E. Also detected Corn and Cob Meal.
x. Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Cannon Valley Milling Co., Minneapolis, Minn.	
Cannon Feed	Cumberland
Cannon Valley Pure Hard Wheat Bran	Grantsville
*Cannon Valley Hard Wheat Standard Middlings, with Ground Wheat Screenings, N. Ex. M. R.	Grantsville
A. B. Caple Co., Toledo, Ohio	
Alfalfa Meal	Baltimore
Edmund L. Carr, Manchester, Md.	
‡Maple Grove Laying Mash	Maple Grove
Maple Grove Starter and Grower	Maple Grove
Carter & Yates Milling Co., Centreville, Md.	
Red Star Laying Mash	Centreville
Red Star Pig and Hog Feed	Centreville
Pure Wheat Bran	Centreville
Pure Wheat Middlings	Centreville
Red Star Chick Starter and Grower	Centreville
Cecil County Milling Co., Rising Sun, Md.	
Rising Sun Brand 16% Dairy Feed	Rising Sun
Rising Sun Brand Laying Mash, with DBM	Rising Sun
Rising Sun Brand All Mash Grower	Rising Sun
Central Feed Co., Baltimore, Md.	
Booths Pigeon Feed	Baltimore
Breeding Pigeon Feed	Baltimore
Central Purchasing Bureau, State of Maryland, Baltimore, Md.	
C.P.B. Dairy Feed	Sykesville
C.P.B. Dairy Feed	Waterbury
C.P.B. Dairy Feed	Owings Mills
C.P.B. Dairy Feed	Jessups
C.P.B. Dairy Feed	Sykesville
C.P.B. Dairy Feed	Catonsville
C.P.B. Dairy Feed	Owings Mills
C.P.B. Dairy Feed	Waterbury
C.P.B. Dairy Feed	Jessups
C.P.B. Dairy Feed	Jessups
C.P.B. Dairy Feed	Catonsville
C.P.B. Dairy Feed	Sykesville
C.P.B. Laying Mash	Sykesville
C.P.B. Laying Mash	Sykesville
C.P.B. Laying Mash	Waterbury
C.P.B. Laying Mash	Waterbury
C.P.B. Laying Mash	Sykesville
C.P.B. Laying Mash	Sykesville
C.P.B. Laying Mash	Sykesville
C.P.B. Growing Mash	Reisterstown
C.P.B. Growing Mash	Breathedsville
C.P.B. Growing Mash	Waterbury
*C.P.B. Horse Feed	Waterbury

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.86	17.00	20.62	2.50	2.78	6.00	1.93	2.10	62.71	As declared on sack
8.58	15.50	17.81	4.80	4.77	11.00	10.13	6.65	52.06	" "
9.03	16.00	17.99	4.50	3.92	9.50	8.37	5.50	55.19	" "
6.49	13.00	13.86	1.00	2.11	33.00	30.09	8.80	38.65	" "
7.53	20.00	21.67	4.00	4.88	6.50	5.68	12.40	47.84	A.
9.54	17.50	18.87	4.50	5.05	5.25	6.55	8.65	51.34	As declared on sack.
9.16	20.00	21.35	4.00	5.80	8.00	6.85	9.69	47.15	" "
8.89	18.00	18.08	3.50	3.97	7.00	5.99	6.40	56.67	" "
9.29	12.00	12.81	3.00	3.59	10.00	9.22	5.50	59.59	" "
10.46	12.00	12.02	3.00	2.66	10.00	3.86	2.50	68.50	" "
8.27	16.00	15.97	4.00	4.52	5.00	5.14	6.90	59.20	" "
11.74	16.00	18.33	3.50	3.22	12.00	8.83	8.25	49.63	" "
7.29	20.00	22.55	4.50	4.71	5.50	5.88	10.90	48.67	" "
8.46	16.00	17.29	4.00	4.64	6.00	4.92	7.80	56.89	" "
10.87	14.00	14.92	4.50	5.43	5.00	4.11	2.90	61.77	" "
11.34	11.00	11.58	4.00	3.97	4.50	4.08	3.05	65.98	" "
10.45	20.00	22.97	4.00	3.50	11.00	7.85	.....	.....	D.
10.21	20.00	23.11	4.00	4.38	11.00	8.98	.....	.....	D.
9.46	20.00	21.95	4.00	4.45	11.00	8.77	.....	.....	D.
9.42	20.00	22.67	4.00	4.41	11.00	8.67	.....	.....	As declared on sack.
9.92	20.00	22.14	4.00	4.47	11.00	9.87	.....	.....	" "
10.86	20.00	21.84	4.00	5.58	11.00	8.40	.....	.....	" "
.....	20.00	20.40	4.00	4.98	11.00	9.68	.....	.....	" "
8.59	20.00	21.63	4.00	4.22	11.00	8.71	.....	.....	" "
9.87	20.00	22.70	4.00	4.07	11.00	10.64	.....	.....	" "
10.11	20.00	22.33	4.00	3.99	11.00	9.86	.....	.....	" "
9.58	20.00	21.50	4.00	4.37	11.00	10.35	.....	.....	" "
9.43	20.00	22.99	4.00	4.16	11.00	11.19	.....	.....	" "
.....	18.00	17.99	4.50	5.28	6.00	9.44	.....	.....	B.
.....	18.00	18.87	4.50	6.27	6.00	6.03	.....	.....	C.
.....	18.00	17.99	4.50	5.42	6.00	5.49	.....	.....	As declared on sack.
.....	18.00	20.88	4.50	5.61	6.00	5.45	.....	.....	" "
.....	18.00	19.35	4.50	5.79	6.00	5.84	.....	.....	" "
.....	18.00	19.39	4.50	5.55	6.00	5.64	.....	.....	" "
.....	18.00	18.78	4.50	4.34	6.00	6.00	.....	.....	" "
.....	16.00	16.23	4.00	5.36	6.00	7.52	.....	.....	" "
.....	16.00	17.60	4.00	5.25	6.00	6.28	.....	.....	" "
.....	16.00	18.16	4.00	5.11	6.00	6.68	.....	.....	" "
10.09	9.00	10.37	3.50	2.95	8.00	4.44	.....	.....	" "

A. Ingredients on sack differ from license.
B. Also detected Charcoal, Ground Oats and not Rolled Oats as declared, Alfalfa Meal and not Alfalfa Leaf Meal as declared.
C. Detected Ground Oats and not Rolled Oats as declared, Alfalfa Meal, an dnot Alfalfa Leaf Meal as declared.
D. Also detected Colza Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Central Purchasing Bureau, State of Md., Balto., Md., (Continued)	
C.P.B. Horse Feed	Catonsville
C.P.B. Calf Meal	Waterbury
C.P.B. Starting Mash	Breathedsville
C.P.B. Starting Mash	Waterbury
Central Soya Co., Inc., Decatur, Ind.	
Central Soybean Oil Meal	Baltimore
Central Soybean Oil Meal	Frederick
Chapin & Co., Hammond, Ind.	
*Unicorn Dairy Ration 24%	Baltimore
Chapin Kernels Lay All	Baltimore
Chesapeake Co., Chestertown, Md.	
Chesapeake 50% Meat and Bone Scrap	Chestertown
Chewsville Cooperative Association, Chewsville, Md.	
Thrivont 32% Mixing Ration	Chewsville
Thrivont Milk Maker	Chewsville
Chewsville Maryland Laying Mash	Chewsville
Thrivont Laying Mash	Chewsville
Thrivont Stock Feed	Chewsville
Thrivont Pig and Hog Meal	Chewsville
*Thrivont Protein-Mineral Supplement For Hogs	Chewsville
Thrivont Chick Starter and Broiler Ration	Chewsville
Thrivont Scratch Feed Medium	Chewsville
Thrivont Scratch Grains	Chewsville
Harry Clipp, Successors, Sharpsburg, Md.	
Clipp's Egg Mash	Sharpsburg
Herbert K. Clofine, Philadelphia, Pa.	
‡Supreme Brand Dried Buttermilk	Cambridge
‡Supreme Brand Dried Skim Milk	Westover
J. Henry Clusman & Co., Baltimore, Md.	
Reliance 24% Dairy Feed	Baltimore
Reliance Laying Mash, with Cod Liver Oil	Baltimore
Reliance Laying Mash	Baltimore
Growing Mash	Baltimore
Broiler Mash	Baltimore
Fairfield Horse Feed	Baltimore
Starter and Grower	Baltimore
Reliance Scratch Grains	Baltimore
Cohn & Bock Co., Princess Anne, Md.	
C & B Laying Mash, with 4% Dried Milk	Princess Anne
C & B Broiler Ration	Princess Anne
Pure Wheat Bran	Princess Anne
Pure Wheat Middlings	Princess Anne

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.54	9.00	11.24	3.50	4.83	8.00	11.71	.....	.....	A.
.....	23.00	24.04	4.00	4.62	5.00	5.05	.....	.....	As declared on sack.
.....	18.00	18.87	4.00	5.71	6.00	6.12	.....	.....	" "
.....	18.00	20.18	4.00	6.12	6.00	6.10	.....	.....	" "
10.93	41.00	44.21	4.50	6.06	7.00	5.24	5.90	27.66	" "
10.12	41.00	43.53	4.50	5.03	7.00	5.97	5.80	29.55	" "
9.20	24.00	24.32	4.50	3.88	10.00	8.49	9.25	44.86	" "
8.67	20.00	20.71	3.50	4.96	6.00	5.74	8.85	51.07	" "
6.95	50.00	50.46	8.00	14.78	3.00	1.81	24.45	1.55	" "
7.23	32.00	33.61	4.50	4.64	10.00	10.19	11.30	33.03	" "
6.55	24.00	26.15	4.50	4.45	10.00	10.05	9.65	43.15	" "
9.61	19.00	20.45	4.50	5.01	6.50	5.94	10.05	48.94	" "
10.09	19.00	19.63	5.00	5.08	8.00	5.94	10.27	48.99	" "
8.48	10.00	13.26	3.00	3.37	10.00	8.29	8.90	57.70	" "
10.05	17.00	17.86	4.50	4.11	6.50	5.65	7.34	54.99	" "
5.83	35.00	32.82	4.00	5.12	9.50	10.27	19.30	26.66	" "
10.71	16.50	17.72	4.50	4.87	5.00	4.47	8.75	53.48	" "
12.32	10.00	9.22	2.50	2.67	5.00	1.81	2.10	71.88	" "
9.10	10.00	10.18	2.50	3.65	5.00	2.09	1.75	73.23	" "
8.91	20.00	20.27	4.50	4.73	6.00	6.02	6.45	53.62	" "
.....	32.00	33.52	5.00	x 6.26	.....	.....	9.15	.....	" "
.....	32.00	34.49	.25	x .92	.....	.....	8.25	.....	" "
9.70	24.00	23.96	2.50	3.60	7.00	13.70	11.40	37.64	" "
8.13	20.00	20.80	4.50	5.37	7.00	8.83	11.25	45.62	" "
8.44	20.00	22.38	4.00	4.99	7.00	7.77	10.90	45.52	" "
9.77	18.00	18.50	4.00	4.37	7.00	5.70	9.07	52.59	" "
9.84	18.00	19.33	3.50	5.26	6.50	6.83	10.55	48.19	" "
9.80	9.00	11.24	2.50	3.67	9.00	9.54	4.34	61.41	" "
9.70	17.00	19.60	4.00	6.45	7.00	7.19	8.20	48.86	" "
10.44	9.00	10.27	3.00	3.32	5.00	2.85	1.70	71.42	" "
8.88	20.00	21.76	4.50	4.77	6.00	6.36	9.10	49.13	" "
8.75	18.00	20.80	3.50	5.24	6.00	4.94	7.70	52.57	" "
8.08	13.00	13.34	3.50	3.70	10.00	10.87	6.35	57.66	" "
8.64	14.00	13.78	3.50	3.49	6.00	4.69	3.40	66.00	" "

A. Detected—Cracked Corn, Crimped Oats, Alfalfa Meal and Molasses.
x. Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Collis Products Co., St. Paul, Minn.	
Collis Process Dried Buttermilk	Washington Grove
G. E. Conkey Co., Cleveland, Ohio	
Conkey's Dairy Feed 32% Protein	Hagerstown
Conkey's Y-O (Brand) 32% Supplement Mash	Hagerstown
Conkey's Red Seal Dairy Feed 16% Protein	Hagerstown
Conkey's Y-O (Brand) Egg Mash	Hagerstown
Conkey's Gecco Growing Grains	Hagerstown
Conkey's Y-O (Brand) Kafmeal	Hagerstown
Conkey's Y-O (Brand) Broiler Mash	Hagerstown
Conkey's Y-O (Brand) Starting Mash	Hagerstown
Conkey's Gecco Chick Grains	Hagerstown
L. A. Conner, Newark, Md.	
"Made Well" Laying Mash, with Vitadine	Newark
*Pure Wheat Bran	Newark
Pure Wheat Middlings	Newark
"Made Well" Starter and Broiler Mash	Newark
Consolidated By-Product Co., Philadelphia, Pa.	
50% Consolidated Beef and Bone Scrap	Manchester
45% Consolidated Beef and Bone Scrap	Manchester
Consumers Import Co., Inc., New York, N. Y.	
§Cico Fish Meal	Jefferson
Cico Fish Meal	Baltimore
Continental Milling & Feed Co., Ellicott City, Md.	
Maryland Maide Dairy Feed 24%	Ellicott City
Polka Dot Dairy Feed 24%	Ellicott City
Patapsco Dairy Feed 16%	Ellicott City
Polka Dot All Mash Laying Ration	Ellicott City
Continental Laying Mash	Ellicott City
Polka Dot Laying Mash	Ellicott City
Polka Dot Growing Mash	Ellicott City
Polka Dot Mash Broiler Ration	Ellicott City
Continental Horse Feed	Ellicott City
‡§Preferd Horse Feed	Raspeburg
Polka Dot Horse Feed	Ellicott City
‡§Corn and Oat Feed	Raspeburg
Polka Dot Pig Meal	Ellicott City
Red Dog Flour	Ellicott City
‡Preferd Developing Grains	Raspeburg
‡Preferd Chick Grains	Raspeburg
Polka Dot Scratch Grains	Ellicott City
Cordova Milling Co., Cordova, Md.	
Pure Wheat Bran	Cordova
Pure Wheat Middlings	Cordova
Corn Products Refining Co., New York, N. Y.	
Diamond Corn Gluten Meal	Frederick

*Deficient in protein or fat.
‡Not licensed at time of sale.
§Required information not shown on label.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
.....	30.00	29.40	5.00	x 5.34	.....	.....	8.30	.....	As declared on sack.
10.01	32.00	33.41	3.00	4.18	10.00	8.04	7.74	36.62	" "
6.17	32.00	34.58	5.00	7.20	10.00	7.05	16.85	28.15	" "
10.78	16.00	19.03	2.00	3.36	12.00	12.48	9.36	44.99	" "
7.63	20.00	22.73	4.00	6.09	7.00	5.88	10.60	47.07	" "
10.46	10.00	11.14	2.50	3.51	3.00	2.26	2.00	70.63	" "
8.65	24.00	24.48	4.50	5.42	6.00	4.98	6.20	50.27	" "
7.37	19.00	21.06	4.00	6.37	7.00	5.49	8.60	51.11	" "
8.04	16.00	19.13	4.50	5.97	5.00	4.51	7.05	55.30	" "
9.99	10.00	11.58	2.00	3.25	2.50	2.36	1.55	71.27	A.
7.66	19.00	19.66	5.00	5.24	5.00	7.75	9.45	50.24	As declared on sack.
7.70	13.00	13.60	4.00	3.12	9.00	7.81	5.90	61.87	" "
8.77	13.00	14.48	4.00	4.27	6.00	4.33	3.45	64.70	" "
7.98	17.00	17.55	5.00	5.03	4.50	7.12	8.20	54.12	B.
5.43	50.00	53.09	7.00	10.56	3.00	1.71	28.35	.86	As declared on sack.
5.45	45.00	51.25	7.00	8.80	3.00	1.56	32.25	.69	" "
8.11	58.00	60.20	1.00	8.30	1.00	.21	15.30	7.88	" "
7.73	58.00	61.43	1.00	7.28	1.00	.41	14.10	9.05	" "
9.72	24.00	25.66	4.50	4.47	9.00	7.93	7.35	44.87	D.
7.97	24.00	24.39	4.00	4.82	10.00	10.81	8.70	43.31	As declared on sack.
9.76	16.00	19.14	4.00	3.78	12.50	7.55	7.69	52.08	D.
8.99	15.75	16.76	3.75	4.62	7.00	6.71	11.00	51.92	As declared on sack.
9.07	20.00	21.32	5.00	4.90	6.00	6.45	9.45	48.81	" "
10.15	20.00	21.94	5.00	5.94	6.00	5.91	8.35	47.71	" "
8.12	16.00	18.16	5.00	5.18	7.00	6.16	9.40	52.98	C.
9.75	16.00	19.48	5.00	4.73	5.00	5.27	9.60	51.17	As declared on sack.
9.88	7.00	10.51	2.50	3.02	13.00	7.35	5.49	63.75	" "
10.62	8.00	10.26	2.00	3.70	14.00	6.41	5.26	63.75	" "
9.62	8.00	10.39	2.00	3.74	14.00	6.11	4.21	65.93	" "
9.71	10.00	10.18	4.00	3.83	7.00	5.25	2.00	69.03	" "
8.52	18.00	19.92	4.00	5.13	7.00	6.38	8.75	51.30	" "
9.37	16.00	16.85	4.00	4.07	3.00	4.12	4.00	61.59	" "
10.84	10.00	10.27	2.50	3.34	5.00	2.17	1.80	71.58	" "
10.05	10.00	11.14	2.50	5.32	5.00	2.15	2.30	69.04	" "
11.17	10.00	9.04	2.50	3.49	5.00	2.80	2.15	71.35	" "
7.65	13.00	13.16	3.00	4.39	9.00	10.69	6.15	57.96	" "
9.55	13.00	14.13	3.00	4.06	6.00	4.96	3.90	63.40	" "
8.13	43.00	43.35	1.00	3.18	4.00	2.63	1.90	40.81	" "

x. Fat as determined by the Roese-Gottlieb Method.
A. Also detected Whole and Cracked Milo and/or Kaffir Corn.
B. Also detected Linseed Oil Meal.
C. Ingredients on sack differ from license.
D. Also detected Colza Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Corn Products Refining Co., New York, N. Y., (Continued)	
Buffalo Corn Gluten Feed	Gaithersberg
H. S. Cramer & Co., Inc., New York, N. Y.	
§Beet Pulp	Taneytown
Damascus Milling Co., Damascus, Md.	
†Mo-Eg Laying Mash	Damascus
†King's Special Hog Feed	Damascus
Davis Milling Co., Inc., Norfolk, Va.	
Soya Bean Oil Meal	Mt. Airy
Davison Chemical Corp., Baltimore, Md.	
Oberco 50% Meat and Bone Scrap	Owings Mills
Oberco 50% Meat and Bone Scrap	Chestertown
*East Coast Steamed Bone Meal	Overlea
East Coast Pure Fish Meal	Keymar
East Coast Pure Fish Meal	Pocomoke City
East Coast Pure Fish Meal	Owings Mills
East Coast Pure Fish Meal	Baltimore
East Coast Pure Fish Meal	Detour
East Coast Dehydrated Tomato Pomace	Germantown
Dawe's Vitamelk Co., Chicago, Ill.	
Dawe's Vitamelk Base	Frederick
Delaware Mills, Inc., Deposit, N. Y.	
Delaware 32% Dairy Supplement	Ingleside
Indian Sweet 24% Dairy Feed	Ingleside
Indian Sweet 20% Dairy Feed	Ingleside
*Indian Sweeet 16 Dairy Feed	Ingleside
Delco Laying Mash (with Cod Liver Oil and Dried Skim Milk)	Ingleside
Delaware 85% Horse Feed	Ingleside
Delaware Pig and Hog Feed	Ingleside
Delco Starter and Broiler Ration (with Dried Skim Milk and Cod Liver Oil)	Federalsburg
Del-Mar-Va Milling Co., Inc., Snow Hill, Md.	
‡Purity Egg Ration	Snow Hill
‡Pure Wheat Bran	Snow Hill
‡Pure Wheat Middlings	Snow Hill
Denver Alfalfa Milling & Products Co., Lamar, Col.	
Alfalfa Meal	Baltimore
Alfalfa Meal	Derwood
Alfalfa Meal	Derwood
Derwood Mill, Derwood, Md.	
Derwood 32% Dairy Feed	Derwood
Derwood 26% Dairy Feed	Derwood
Derwood 20% Dairy Feed	Derwood
Derwood 16% Dairy Feed	Derwood

*Deficient in protein or fat.
‡Not licensed at time of sale.
§Required information not shown on label.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.52	25.00	27.64	2.00	2.50	8.50	7.83	6.60	45.91	As declared on sack.
7.36	7.00	7.90	.25	.27	22.00	19.88	4.90	59.69	" "
10.21	20.00	17.55	5.00	4.09	8.00	8.34	10.70	49.11	" "
10.50	17.00	15.62	5.00	3.68	9.00	11.46	9.75	48.99	A.
6.75	45.00	48.44	4.00	6.51	7.00	6.09	5.90	26.31	As declared on sack.
6.16	50.00	50.02	8.00	11.19	3.00	1.65	30.40	.58	" "
6.04	50.00	50.20	8.00	9.45	3.00	1.99	31.75	.57	" "
4.24	2.50	2.19	2.00	.47	2.00	.78	92.20	.12	" "
8.51	58.00	58.61	5.00	10.44	3.00	.43	17.70	4.31	" "
7.73	58.00	58.80	5.00	6.01	3.00	.36	17.85	9.25	" "
9.84	58.00	57.40	5.00	10.94	3.00	.41	17.25	4.16	" "
7.35	58.00	62.13	5.00	8.36	3.00	.40	14.95	6.81	" "
8.49	58.00	58.80	5.00	10.35	3.00	.44	16.60	5.32	" "
6.81	20.00	21.32	10.50	10.99	28.00	30.94	3.10	26.84	" "
7.06	44.00	47.04	4.50	6.36	5.00	3.34	11.35	24.85	" "
8.01	32.00	33.93	4.00	4.62	9.00	9.49	7.41	36.54	" "
9.86	24.00	24.65	4.00	3.98	12.00	10.79	8.78	41.94	B.
8.46	20.00	23.35	4.00	3.71	12.00	12.34	8.33	43.81	As declared on sack.
9.18	16.00	20.80	3.50	2.52	14.00	14.51	8.35	44.64	B.
7.37	17.00	18.43	4.00	4.93	9.00	8.39	7.70	53.18	As declared on sack.
11.44	9.00	10.10	3.00	3.00	9.00	8.03	3.68	63.75	" "
8.09	16.00	17.81	4.00	5.26	8.00	5.77	8.15	54.92	" "
7.68	18.00	19.48	4.50	5.44	6.00	6.91	6.40	54.09	" "
8.23	18.00	18.52	4.00	4.83	6.00	6.84	8.35	53.23	C.
7.69	14.00	14.00	3.50	4.09	9.00	11.85	7.25	55.12	As declared on sack.
9.20	13.00	14.92	3.50	4.89	6.00	4.67	3.60	62.72	" "
7.31	13.00	15.88	1.00	1.84	33.00	29.36	10.40	35.21	" "
8.58	13.00	14.92	1.00	1.85	33.00	29.49	9.35	35.81	" "
9.11	13.00	13.16	1.00	2.19	33.00	29.21	8.30	38.03	" "
8.01	32.00	32.24	4.00	4.84	10.00	10.77	7.00	37.14	" "
9.67	26.00	26.37	4.00	4.82	10.00	9.10	7.99	42.05	C.
10.70	20.00	21.39	3.00	2.99	10.00	8.36	7.49	49.07	C.
9.26	16.00	19.78	3.00	3.85	10.00	8.70	7.13	51.28	As declared on sack.

A, Fat guarantee on sack differs from license. Also detecteed Ground Corn.
B. Unable to detect Linseed Oil Meal.
C. Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Derwood Mill, Derwood, Md., (Continued)	
Derwood Laying Mash	Derwood
Derwood Growing Mash	Derwood
Derwood Growing Mash	Derwood
Pure Wheat Bran	Derwood
Pure Wheat Middlings	Derwood
Derwood Baby Chick Starter	Derwood
Derwood Scratch Grains	Derwood
Abner Devilbiss, Union Bridge, Md.	
Carrollton Dariy Feed	Carrollton
Carrollton Laying Mash	Union Bridge
Carrollton Pig Feed	Union Bridge
Carrollton Starting and Growing Mash	Union Bridge
Devilbiss Brothers, New Windsor, Md.	
A No. 1 Laying Mash	New Windsor
Dickey Brothers, Washington, D. C.	
Capitol Laying Mash	Hyattsville
Benning Scratch	Hyattsville
Capitol Scratch Grains	Hyattsville
Dietrich & Gambrill, Inc., Frederick, Md.	
Gambrill's High Protein Dairy Feed	Mt. Airy
Gambrill's A. I. Dairy Feed	Baltimore
Frederick Dairy Feed	Baltimore
Frederick Dairy Feed	Mt. Airy
D. & G. Dairy Feed	Baltimore
Gambrill's 16% Dairy Feed	Baltimore
Gambrill's 16% Dairy Feed	Mt. Airy
Gambrill's Laying Mash	Keedysville
Gambrill's Laying Mash	Baltimore
Gambrill's Laying Mash	Berwyn
Gambrill's Growing Mash	Baltimore
D & G Poultry Conditioning Ration	Berwyn
D & G Broiler Mash	Hagerstown
Frederick Horse Feed	Baltimore
Gambrill's Horse Feed	Baltimore
Gambrill's Horse Feed	Berwyn
Gambrill's Horse Feed	Laurel
C. & O. Feed	Baltimore
Gambrill's Hog Meal	Baltimore
Gambrill's Hog Meal	Mt. Airy
Gambrill's Hog Meal	Laurel
Corn Feed Meal	Baltimore
All Mash Starter and Grower	Hancock
All Mash Starter and Grower	Hagerstown
All Purpose Complete Ration Starter-Grower-Layer	Laurel
Gambrill's Chick Starter	Berwyn
Gambrill's Developing Scratch	Baltimore
Canton Scratch Feed	Baltimore
Gambrill's Scratch Feed	Baltimore

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.43	20.00	21.94	4.00	6.09	8.00	6.95	11.05	44.54	As declared on sack.
8.59	19.00	20.18	4.00	5.21	7.00	6.31	9.15	50.56	" "
10.03	19.00	20.01	4.00	5.56	7.00	5.86	9.95	48.59	" "
9.66	14.00	14.04	4.00	4.56	9.00	9.41	6.30	56.03	" "
9.41	15.00	14.48	4.00	4.47	5.00	5.49	3.50	62.65	" "
8.80	16.00	16.85	4.00	5.12	7.00	6.99	8.00	54.24	" "
11.05	10.00	9.65	2.50	2.78	4.00	2.44	1.40	72.68	" "
9.60	17.00	17.98	4.00	4.18	10.00	10.92	3.00	54.32	" "
12.01	17.50	18.95	4.00	5.57	7.00	6.95	7.65	48.87	" "
11.80	18.00	19.31	3.50	6.98	4.50	6.32	8.55	47.04	" "
10.95	18.00	19.74	4.00	5.03	7.00	4.48	7.10	52.70	" "
9.08	20.00	21.06	4.00	5.46	8.00	7.95	7.40	49.05	A.
9.80	20.00	20.80	5.00	5.00	7.00	8.70	9.00	46.70	As declared on sack.
10.87	10.00	9.39	3.00	3.15	5.00	3.12	1.40	72.07	" "
12.11	10.00	9.39	2.50	2.78	4.00	3.02	1.40	71.30	" "
9.00	32.00	32.85	5.00	4.85	9.00	9.37	7.05	36.88	" "
9.73	24.00	25.39	4.60	4.73	9.00	9.52	7.15	43.48	" "
9.85	24.00	25.28	4.00	4.49	12.00	11.83	6.11	42.44	" "
10.19	24.00	24.88	4.00	4.17	12.00	13.02	5.84	41.90	" "
9.89	20.00	21.00	4.00	4.07	12.00	13.31	6.50	45.23	" "
9.64	16.00	17.23	3.50	3.83	12.00	12.66	8.35	48.29	D.
10.74	16.00	17.56	3.50	3.63	12.00	14.08	6.29	47.73	As declared on sack.
9.37	20.00	23.17	5.00	5.34	7.00	7.09	9.20	45.83	" "
9.87	20.00	22.90	5.00	5.64	7.00	6.09	7.85	47.65	" "
10.44	20.00	22.46	5.00	5.27	7.00	5.81	9.20	46.82	" "
9.98	18.00	22.46	4.00	6.18	7.00	5.37	8.90	47.11	" "
12.09	15.00	16.67	6.00	7.75	6.00	4.21	10.70	48.58	" "
10.33	18.00	19.48	4.00	5.10	7.00	6.46	6.60	52.03	" "
9.82	7.00	9.44	2.00	3.25	12.00	8.43	3.51	65.55	" "
9.06	10.00	10.62	3.50	3.48	12.00	6.07	2.79	67.98	" "
9.77	10.00	10.65	3.50	3.76	12.00	8.06	3.50	64.26	" "
10.40	10.00	10.22	3.50	3.51	12.00	7.23	3.04	65.60	" "
10.54	10.00	10.53	3.00	3.44	10.00	5.82	2.30	67.37	" "
9.86	18.00	20.61	4.00	4.72	8.00	6.42	7.08	51.31	C.
9.36	18.00	19.31	4.00	4.28	8.00	5.56	8.39	53.10	As declared on sack.
9.76	18.00	20.68	4.00	5.99	8.00	7.07	7.61	48.89	" "
11.77	8.00	8.95	3.00	5.35	5.00	3.09	2.25	68.59	" "
9.86	14.00	16.85	4.00	4.99	6.00	4.31	6.40	57.59	" "
11.33	14.00	17.81	4.00	4.69	6.00	3.25	6.10	56.82	" "
10.68	15.00	18.08	4.50	6.19	6.00	5.99	6.05	53.01	" "
11.32	16.00	21.41	4.00	5.79	6.00	4.13	8.60	48.75	" "
11.07	10.00	11.85	2.50	3.10	3.00	2.11	1.60	70.27	B.
10.08	10.00	11.14	2.50	2.75	4.00	1.98	1.50	72.55	As declared on sack.
11.86	10.00	9.13	2.50	2.44	4.00	2.25	1.50	72.82	" "

A. Ingredients on sack differ from license.
B. Unable to detect Oat Groats.
C. Unable to detect Soybean Oil Meal.
D. Also detected Soybean Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Dietrich & Gambrill, Inc., Frederick, Md., (Continued)	
Gambrill's Scratch Feed	Berwyn
Gambrill's Pigeon Feed	Baltimore
William H. Dolbey, White Haven, Md.	
Dolbey's Best Ultra-Lifed 18% Laying Mash	White Haven
Pure Wheat Bran	White Haven
†Pure Wheat Middlings	White Haven
Dolbey's Scratch Feed	White Haven
Roy E. Donovan, Federalsburg, Md.	
‡Special Egg Mash	Federalsburg
Doughnut Corporation of America, Ellicott City, Md.	
Domaco Pure Winter Wheat Bran	Ellicott City
Domaco Standard Middlings, with M.R.S.	Ellicott City
*Domaco Pure Wheat White Middlings	Ellicott City
Dryden Milling Co., Pocomoke City, Md.	
Dryden's Laying Mash	Pocomoke City
Dryden's All Mash	Pocomoke City
Dryden's Growing Mash	Pocomoke City
Dryden's Broiler Mash	Pocomoke City
Dryden's Starting Feed	Pocomoke City
Dry Milk Products Co., Columbus, Ohio	
‡Pure Dried Buttermilk	Westminster
‡Pure Dried Skimmilk	Westminster
‡Pure Dried Skimmilk	Westminster
‡Pure Dried Skimmilk	Frederick
Eagle Mills, Pocomoke City, Md.	
*R.C.D. Laying Mash	Pocomoke City
R.C.D. Growing Mash	Pocomoke City
Dryden's Hog Meal	Pocomoke City
Early & Daniel Co., Cincinnati, Ohio	
‡Brewers' Dried Grains	Frostburg
Tuxedo Special 24 Dairy	Frostburg
Tuxedo Dairy 24%	Oakland
Tuxedo Special 20% Dairy	Frostburg
Tuxedo Special 20% Dairy	Oakland
Tuxedo Special 16% Dairy	Oakland
Tuxedo Dairy 16%	Frostburg
Tuxedo Supplement Mash	Oakland
*Tuxedo Farm Feed	Frostburg
Tuxedo Eggmash	Frostburg
Tuxedo Eggmaker Mash	Oakland
Tuxedo Special Egg Mash 20%	Cumberland
Tuxedo Growing & Developing Mash	Cumberland
*Tuxedo Broiler Mash	Cumberland
Tuxedo Bulky Feed	Frostburg
Tuxedo Starting and Growing Allmash	Cumberland
Cincy Chop	Cumberland

*Deficient in protein or fat.
‡Not licensed at time of sale.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
12.00	10.00	9.65	2.50	2.46	4.00	2.44	1.55	71.90	As declared on sack.
11.24	13.00	14.22	3.00	3.17	4.00	4.19	2.25	64.93	" "
9.39	18.00	17.94	4.50	4.44	6.50	4.99	12.32	50.92	" "
7.91	13.00	12.72	3.50	3.24	10.00	9.56	5.45	61.12	" "
8.65	13.00	11.06	3.50	2.05	8.00	1.45	1.80	74.99	" "
10.42	9.00	9.30	3.00	2.91	4.00	3.09	1.55	72.73	A.
8.33	17.00	17.64	4.00	4.05	8.00	7.63	8.75	53.60	As declared on sack.
10.26	14.50	17.90	4.00	4.54	9.50	7.68	5.85	53.77	" "
8.69	14.00	14.13	3.50	4.20	8.50	8.37	5.50	59.11	" "
10.23	16.00	17.72	5.00	3.91	4.50	4.50	4.05	59.59	" "
7.99	18.00	20.36	4.50	4.57	8.00	8.50	7.85	50.73	" "
8.39	18.00	17.99	3.75	4.06	5.00	5.06	8.30	56.20	" "
9.24	16.00	17.38	3.50	4.31	5.00	5.59	7.30	56.18	" "
7.93	17.50	19.31	4.00	4.98	6.00	6.07	8.05	53.66	" "
8.63	15.50	16.67	3.00	4.27	5.50	5.35	7.05	58.03	" "
.....	30.00	36.33	5.50	x 6.20	.....	.....	11.90	.....	" "
.....	32.00	33.52	.50	x .65	.....	.....	8.25	.....	" "
.....	32.00	33.26	.50	x .49	.....	.....	8.05	.....	" "
.....	32.00	34.22	.50	x .93	.....	.....	8.60	.....	" "
9.42	20.00	18.78	5.00	4.86	8.00	6.49	6.25	54.20	" "
9.03	16.00	16.85	4.00	4.65	7.00	5.76	6.35	57.36	" "
8.73	18.00	17.99	4.00	4.64	7.00	5.58	7.70	55.36	B.
7.99	24.00	23.69	6.00	5.73	14.00	16.04	4.70	41.85	As declared on sack.
11.10	24.00	24.40	4.00	4.11	12.00	7.73	7.73	44.93	" "
10.85	24.00	24.85	4.00	4.31	9.00	8.54	8.20	43.25	" "
11.23	20.00	20.94	3.75	4.16	12.00	6.93	8.29	48.45	" "
9.77	20.00	21.01	3.75	4.51	12.00	7.20	8.29	49.22	" "
12.25	16.00	16.33	3.00	2.97	12.50	10.90	9.79	47.76	" "
11.91	16.00	18.74	3.75	3.79	12.50	9.07	5.81	50.68	" "
9.83	30.00	29.97	4.00	5.17	7.00	4.65	14.40	35.98	" "
10.60	15.00	15.71	3.50	2.85	12.00	7.78	8.63	54.43	" "
10.69	18.00	18.34	4.00	4.16	7.00	6.93	8.24	51.64	" "
10.45	20.00	20.57	4.00	3.97	7.00	6.31	9.63	49.07	" "
10.24	20.00	19.98	4.00	4.51	7.50	6.64	7.12	51.51	" "
10.24	17.00	18.74	3.50	4.49	6.00	5.69	6.15	54.69	" "
9.70	17.00	19.59	5.00	4.37	6.00	6.00	8.24	52.10	" "
10.76	10.00	10.82	2.00	1.97	15.00	9.95	10.62	55.88	" "
9.40	17.50	18.25	5.00	4.92	5.00	5.06	6.52	55.85	" "
10.03	9.00	9.68	2.50	2.60	10.00	10.60	9.13	57.96	" "

A. Fat and Fibre guarantee and ingredients on sack differ from license.
B. Ingredients on sack differ from license.
x. Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Early & Daniel Co., Cincinnati, Ohio., (Continued)	
Tuxedo Pig Meal	Oakland
Corn Feed Meal	Oakland
Cincy Scratch	Frostburg
Tuxedo Pigeon Feed	Lonaconing
Eastern Grain Growers, Hagerstown, Md.	
*Magic 20% Dairy Ration	Hagerstown
Magic 16% Dairy Feed	Hagerstown
Magic Poultry Mash	Hagerstown
Magic Horse and Mule Feed	Hagerstown
Magic Hog Ration	Hagerstown
Magic Scratch Feed	Hagerstown
Eastern Shore Feed Co., Easton, Md.	
*Sure-Gain 17% Egg Mash	Easton
Sure-Gain Broiler Mash	Easton
Sure-Gain Chick Starter Mash	Easton
Sure-Gain Turkey Laying Mash	Easton
Sure-Gain Turkey Starter	Easton
Eastern States Farmers' Exchange, Springfield, Mass.	
E.S. Egg Mash	Snow Hill
E.S. Producer 20	Snow Hill
E.S. Producer 20 Pellets	Snow Hill
E.S. Producer 17	Snow Hill
E.S. Combination Mash	Snow Hill
E.S. Hog Meal	Snow Hill
E.S. Starting and Broiler Ration	Snow Hill
E.S. Scratch Grains 1931	Snow Hill
Easton Milling Co., Easton, Md.	
Talbot 32% Special	Easton
§Talbot Laying Mash, with Dried Milk	Easton
Talbot Pasture Feed	Easton
Pure Wheat Bran	Easton
Pure Wheat Middlings	Easton
§Talbot Starting and Growing Mash, with Dried Milk	Easton
Talbot Scratch Feed	Easton
W. T. Eddington & Son, Federalsburg, Md.	
Special Laying Mash	Federalsburg
*Pure Wheat Bran	Federalsburg
†Pure Wheat Middlings	Federalsburg
Edwards Milk Products Co., Chicago, Ill.	
‡"Yankee" Brand Dried Skimmed Milk	Ellicott City
Egg-O-Milk Co.-P. Fred'k. Obrecht & Son, Dist., Balto., Md.	
‡Egg-O-Milk Blend	Gaithersburg
‡Egg-O-Milk Blend	Reid
Englar & Sponseller, Westminster, Md.	
Meadow-Brook Laying Mash	Westminster
Pure Wheat Bran	Westminster
Wheat Middlings, with Mill Run Screenings	Westminster

*Deficient in protein or fat.
‡Not licensed at time of sale.
†Deficient in both protein and fat.
§Required information not shown on label.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.85	14.50	15.84	4.50	4.55	7.00	7.03	6.69	55.04	As declared on sack.
9.82	10.00	10.09	6.00	4.20	5.00	2.56	1.50	71.83	" "
11.25	9.00	10.62	2.50	2.91	5.00	2.73	2.35	70.14	" "
10.68	14.00	14.22	2.50	4.75	4.00	4.08	2.90	63.37	" "
7.68	20.00	21.94	5.00	4.37	9.00	9.52	7.00	49.49	C.
7.88	16.00	18.11	3.50	4.80	12.00	15.22	9.17	44.82	A.
8.99	16.00	18.25	4.00	5.27	6.00	5.88	9.85	51.76	B.
10.92	7.00	10.63	2.00	2.24	17.00	8.99	4.42	62.80	As declared on sack.
9.01	20.00	24.66	5.00	5.34	5.50	5.15	7.25	48.59	" "
10.81	9.00	10.00	2.50	2.54	5.00	2.73	1.75	72.17	A.
9.60	17.00	15.62	5.00	4.80	7.00	5.69	6.40	57.89	As declared on sack.
9.90	18.00	18.25	4.50	5.99	6.00	6.85	6.80	52.21	" "
10.16	18.00	19.04	5.00	5.69	6.00	6.15	7.25	51.71	" "
8.87	20.00	20.01	4.50	4.75	7.00	7.32	8.20	50.85	" "
9.07	26.00	26.15	5.00	6.66	6.00	5.27	10.50	42.35	" "
7.19	20.00	20.88	4.00	6.14	6.50	5.85	9.05	50.89	" "
6.64	20.00	20.62	4.00	5.62	6.00	5.56	11.10	50.46	" "
7.87	20.00	21.50	4.00	6.32	6.00	5.49	12.00	46.82	" "
7.04	17.00	18.60	4.00	5.95	6.50	5.76	8.70	53.95	" "
7.62	15.00	17.29	4.00	5.56	6.50	5.45	7.80	56.28	" "
7.26	14.50	17.02	4.00	5.29	5.00	4.77	8.40	57.26	" "
7.23	18.50	19.74	4.00	5.31	5.00	4.45	7.20	56.07	" "
9.56	9.50	10.35	2.50	3.12	3.00	2.01	1.60	73.36	" "
9.19	32.00	32.60	4.50	5.11	9.00	11.61	6.16	35.33	D.
9.70	19.00	20.80	4.50	5.31	8.00	7.86	10.30	46.03	E
8.01	16.00	18.21	3.00	3.83	10.00	8.24	5.04	56.67	A.
7.26	12.00	12.99	3.50	3.55	10.00	9.26	5.10	61.84	As declared on sack.
10.02	12.00	12.11	2.50	2.55	3.00	2.87	1.60	70.85	" "
7.39	18.00	18.52	4.50	5.43	7.50	5.85	9.30	53.51	E.
9.92	10.00	9.92	2.50	2.99	4.00	2.60	1.70	72.87	F.
9.92	15.27	17.02	3.67	5.17	5.67	5.52	12.30	50.07	As declared on sack.
7.94	14.00	13.34	4.00	3.29	11.00	9.11	5.20	61.12	" "
11.10	14.00	11.50	4.00	2.70	6.00	2.07	1.50	71.13	" "
.....	30.00	32.03	.25	x .85	.....	.....	8.40	.....	" "
9.54	32.00	31.94	1.50	1.84	4.00	3.05	6.40	47.23	" "
9.94	32.00	32.73	1.50	1.50	4.00	2.95	6.50	46.38	" "
7.98	20.45	22.46	5.50	5.09	10.45	9.35	9.10	46.02	" "
7.97	14.00	14.30	3.28	4.16	10.27	10.49	6.10	56.98	" "
8.80	16.00	15.53	4.00	4.14	6.00	5.77	3.45	62.31	" "

A. Ingredients on sack differ from license.
B. Fat and Fibre guarantee and ingredients on sack differ from license.
C. Also detected Ground Corn and Ground Screenings.
D. Unable to detect Corn Distillers Grains—also detected Brewers Dried Grains.
E. No ingredients listed on tag.
F. Also detected Oats.
x. Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
John W. Eshelman & Sons, Lancaster, Pa.	
‡Eshelman Maintenance 24% Dairy Feed	Oakland
Eshelman Red Rose 24 Dairy Feed	Baltimore
Eshelman Challenge Dairy Feed	New Windsor
Eshelman Conestoga 20 Dairy Feed	Baltimore
Eshelman Maintenance 16% Dairy Feed	Friendsville
Eshelman Pennsy 16 Dairy Feed	Taneytown
‡Eshelman Maintenance 20% Laying Mash, with Cod Liver Oil	Oakland
*Eshelman Pennsy Laying Mash	Elkton
Eshelman Pennsy Laying Mash, with Cod Liver Oil	Rockville
Eshelman Red Rose Growing Mash, with Cod Liver Oil	Berlin
Eshelman Garden Spot Horse Feed	Baltimore
Eshelman Garden Spot Horse Feed	Gambrills
Eshelman Garden Spot Horse Feed	Rockville
Eshelman Red Rose 85 Horse Feed	Baltimore
Eshlman Red Rose Pig and Hog Meal	Baltimore
Eshelman Red Rose All-Mash Starter and Grower, with Cod Liver Oil	Annapolis
Eshelman Red Rose All-Mash Starter, with Cod Liver Oil	Friendsville
Eshelman Red Rose Chick Grains	Salisbury
Eshelman Red Rose Chick Grains	Annapolis
Eshelman Red Rose Intermediate Chick Grains	Baltimore
Eshelman Lancaster Scratch Flexible Formula	Baltimore
Eshelman Lancaster Scratch	Rockville
Eshelman Red Rose Scratch Grains	Baltimore
Eshelman Lancaster Pigeon Feed	Baltimore
Farmers Cooperative Association, Inc., Frederick, Md.	
Farco 32% Supplement	Frederick
Farco 24% Milk Producer	Frederick
Farco 16% Dairy	Frederick
Farco Co-Operative Egg Producer	Frederick
Farco Growing Mash	Frederick
†§Farco Special Hog Feed	Frederick
Farco Starting Mash	Frederick
Farmers Feed Co., New York, N. Y.	
"Bull Brand" Dried Brewers Grains	Germantown
Farmers Fertilizer & Feed Co., Westminster, Md.	
Farmers 24% Dairy Feed	Westminster
Farmers Favorite Laying Mash	Westminster
Farmers Favorite Growing Mash	Westminster
Farmers Favorite Pig Meal	Westminster
Farmers Favorite Fattening Mash	Westminster
Farmers Favorite Developer Feed	Westminster
Farmers Favorite Chick Starter	Westminster
*Farmers Favorite Scratch Feed	Westminster
‡§Farmers Favorite Pigeon Feed	Westminster
Farmers Service Bureau, Baltimore, Md.	
‡Fine Ground Feeding Oat-Meal	Pocomoke City

*Deficient in protein or fat.
‡Not licensed at time of sale.
†Deficient in both protein and fat.
§Required information not shown on label.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.45	24.00	24.06	4.00	4.16	15.00	12.19	8.84	41.30	As declared on sack.
8.99	24.00	25.67	4.00	4.09	11.00	9.07	7.95	44.23	" "
10.19	24.00	24.84	4.00	4.33	11.00	9.21	8.15	43.28	" "
9.54	20.00	22.02	4.00	4.06	11.00	8.81	8.51	47.06	" "
12.56	16.00	17.03	3.00	4.25	15.00	15.02	8.75	42.39	" "
9.93	16.00	19.01	3.00	4.58	11.00	10.81	9.52	46.15	" "
9.02	20.00	23.78	4.50	4.58	8.00	7.81	7.15	47.66	" "
8.93	18.00	20.17	5.00	4.47	8.50	7.27	9.45	49.71	" "
8.20	18.00	19.40	5.00	5.02	8.50	8.43	8.30	50.65	" "
7.57	16.00	19.31	4.00	5.61	7.00	7.05	8.40	52.06	" "
10.60	7.00	8.35	2.00	2.78	11.00	11.09	5.66	61.52	" "
11.83	7.00	9.37	2.00	2.68	11.00	10.87	6.90	58.35	" "
8.88	7.00	8.83	2.00	2.82	11.00	11.87	5.73	61.87	" "
9.30	9.00	10.99	3.00	3.54	10.00	6.71	3.43	66.03	" "
8.58	16.00	19.48	5.00	4.14	10.00	8.25	7.85	51.70	" "
6.76	16.00	16.85	4.00	4.67	6.50	6.58	8.35	56.79	" "
7.93	16.00	17.72	4.00	3.99	6.50	5.16	8.95	56.25	" "
9.06	10.00	12.46	3.00	4.89	3.00	2.21	2.05	69.33	" "
10.86	10.00	11.06	3.00	5.07	3.00	2.11	2.55	68.35	" "
9.98	10.00	11.23	3.00	2.85	3.00	2.15	1.60	72.19	" "
10.06	9.00	11.23	2.50	2.71	4.00	3.18	1.60	71.22	" "
12.38	9.00	10.18	2.50	2.67	4.00	2.47	1.40	70.90	" "
11.01	10.00	10.62	2.50	3.37	4.00	2.97	1.70	70.33	" "
8.47	12.00	14.57	3.00	3.66	4.00	4.07	2.20	67.03	" "
8.01	32.00	36.52	3.00	4.12	7.00	7.90	9.09	34.36	A.
8.60	24.00	30.53	3.50	3.53	12.00	9.56	9.27	38.51	A.
8.91	16.00	19.59	3.00	4.04	14.00	11.22	7.95	48.29	A.
8.65	20.00	20.09	4.00	4.26	7.00	6.82	8.05	52.13	A.
9.28	18.00	18.87	4.00	4.56	8.00	4.63	6.20	56.46	A.
11.50	16.50	13.69	4.50	3.87	5.50	4.02	4.35	62.57	As declared on sack.
9.44	17.00	18.95	4.00	3.92	6.00	4.21	6.70	56.78	B.
9.00	26.00	27.64	6.00	6.57	17.00	15.65	3.70	37.44	As declared on sack.
6.91	24.00	25.97	4.00	4.61	12.00	11.32	6.90	44.29	" "
9.07	20.00	20.88	4.50	4.86	10.00	8.52	8.40	48.27	" "
9.73	17.00	18.62	4.00	4.24	6.50	7.71	6.20	53.50	" "
8.91	18.00	18.87	5.00	7.30	10.00	8.18	6.60	50.14	" "
10.28	14.50	15.36	4.00	3.93	7.00	5.17	6.10	59.16	" "
12.21	10.00	10.27	2.50	3.48	3.00	2.15	1.85	70.04	" "
8.61	15.00	17.55	3.80	5.21	5.00	5.49	6.45	56.69	" "
11.92	10.00	9.57	4.00	2.51	3.00	2.56	1.70	71.74	" "
9.43	12.00	12.98	3.00	3.28	5.00	4.26	2.10	67.95	C.
9.57	14.00	15.27	5.00	5.73	4.00	3.36	4.95	61.12	As declared on sack.

A. Ingredients on sack differ from license.
B. Fibre guarantee and ingredients on sack differ from license.
C. Unable to detect Corn.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Farmers Supply Co., Denton, Md.	
Fasuco Lay Mash	Denton
Farmers Supply Co., Walkersville, Md.	
‡Hog Feed	Walkersville
Feed Mor Products Co., Westminster, Md.	
Meat Meal	Westminster
Tankage	Hampstead
Feed Products Co., Baltimore, Md.	
Soya Bean Meal	Baltimore
Pam-O-Midds	Medford
Felton & Kelly, Frederick, Md.	
*Egg Maker Laying Mash	Frederick
Pure Wheat Bran	Frederick
Pure Wheat Middlings	Frederick
Corn Bran	Frederick
Fernando Valley Milling & Supply Co., Van Nuys, Calif.	
Fernando Ideal Greens Alfalfa Leaf Meal	St. Michaels
Ferneau Grain Co., Blanchester, Ohio	
F. Corn Distillers Dried Grains	Hagerstown
F. Corn Distillers Dried Grains	Baltimore
*F. Distillers Dried Grains	Sykesville
Freihofer Flour Mills, Philadelphia, Pa.	
Wheat Bran, with Mill Run of Ground Wheat Screen, N.Ex.M.R.	Sykesville
Hard Wheat Standard Midds, with Mill Run of Ground Wheat Screenings	Sykesville
Fullerton Supply Co., Overlea, Md.	
Fullerton Laying Mash	Overlea
Fullerton Starting and Growing Mash	Overlea
Fullerton Poultry Scratch	Overlea
Gall & Smith, Thurmont, Md.	
G. & S. 20% Laying Mash	Thurmont
Gambrill Grain Products Co., Baltimore, Md.	
Skor 20% Dairy Feed	Baltimore
Milkaid 16% Dairy Feed	Baltimore
Gambrill's Alice-Anna Laying Mash	Baltimore
Hen-Lay Laying Mash	Baltimore
Gambrill's Alice-Anna Growing Mash	Baltimore
§Gambrill's Ground Corn Meal	Baltimore
Special G.B.M. Feed	Baltimore
Gammalt	Baltimore
Rye Chop	Baltimore
Gardiner & Yowaski Milling Co., Chaptico, Md.	
Chaptico Laying Mash	Chaptico
Superior Growing Mash, with Cod Liver Oil & BM.	Chaptico
*Pure Wheat Bran	Chaptico

*Deficient in protein or fat.
‡Not licensed at time of sale.
§Required information not shown on label.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.81	20.00	20.09	5.00	4.80	8.00	6.19	10.20	50.91	As declared on sack.
9.18	15.00	16.24	4.00	3.99	4.50	5.94	6.93	57.72	" "
6.60	55.00	57.74	5.00	8.19	4.00	1.80	24.45	1.22	" "
5.04	35.00	40.02	5.00	21.65	2.50	3.44	22.60	7.25	A.
9.66	45.00	45.63	4.00	5.20	7.00	6.24	6.15	27.12	As declared on sack.
7.35	15.00	17.72	6.50	6.31	9.00	7.76	4.60	56.26	" "
8.66	18.00	18.43	5.00	4.35	5.00	6.51	8.05	54.00	" "
8.43	13.00	14.65	3.00	3.32	10.00	9.07	5.60	58.93	" "
10.19	14.00	15.09	2.00	4.08	5.00	2.79	2.55	65.30	" "
8.84	8.00	8.95	3.00	3.66	12.00	11.21	1.75	65.59	" "
6.99	20.00	20.27	2.50	3.18	18.00	20.28	12.80	36.48	" "
5.56	28.00	30.19	9.00	9.10	14.00	13.03	2.15	39.97	" "
6.15	28.00	28.61	9.00	10.01	14.00	13.52	2.30	39.41	" "
5.94	24.00	22.20	6.00	6.15	16.00	14.04	3.45	48.22	" "
9.59	16.00	17.72	4.00	4.55	11.00	10.96	7.60	49.58	" "
9.41	16.00	18.78	4.00	4.33	9.50	5.98	5.45	56.05	" "
11.48	20.00	21.50	4.50	5.53	6.50	6.52	10.20	44.77	" "
8.60	16.00	17.20	4.50	5.88	6.00	5.36	9.15	53.81	" "
9.65	10.00	10.44	3.00	2.69	4.50	3.32	1.80	72.10	" "
8.97	20.00	20.18	4.50	5.15	6.75	5.74	7.90	52.06	" "
9.84	20.00	23.18	4.00	4.08	13.00	10.62	7.69	44.59	C.
8.51	16.00	17.18	3.00	4.42	15.00	11.00	7.26	51.63	B.
8.10	20.00	21.24	3.50	5.71	8.00	5.28	7.90	51.77	As declared on sack.
9.79	18.00	21.76	3.50	5.34	8.00	4.82	8.10	50.19	" "
10.30	16.00	18.52	4.00	5.87	7.00	6.45	7.45	51.41	" "
10.97	9.00	8.42	3.00	2.87	2.00	1.90	1.25	74.59	" "
6.69	13.00	14.22	2.00	2.61	11.00	8.61	3.15	64.72	" "
8.29	13.00	13.51	2.70	2.24	5.00	5.58	2.55	67.83	" "
10.05	10.50	12.11	1.50	2.27	2.00	3.66	2.65	69.26	" "
7.94	20.00	21.15	5.00	5.10	6.50	6.12	11.15	48.54	" "
7.87	17.00	17.81	4.25	4.71	5.00	5.24	11.85	52.52	" "
7.91	14.00	12.81	3.50	4.24	10.00	10.12	5.90	59.02	" "

A. Detected excessive amount of Vegetable Fibrous Material.
B. Also detected Wheat Bran.
C. Also detected Soybean Oil Meal and Malt Sprouts.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Gardiner & Yowaski Milling Co., Chaptico, Md., (Continued)	
†Pure Wheat Middlings	Chaptico
*Chaptico Scratch Grains	Chaptico
General Mills, Inc., Minneapolis, Minn.	
Washburn's Gold Medal Hard Wheat Adrian Red Dog	Baltimore
Washburn's Gold Medal Hard Wheat Adrian Red Dog	Frederick
Washburn's Gold Medal Hard Wheat Stand. Middlings and Wheat Screenings	Frederick
Georgia Distributing Co., Atlanta, Ga.	
‡45% Protein Peanut Meal	Cambridge
41% Protein Peanut Meal	Westminster
41% Protein Peanut Meal	Linwood
‡Gold Dust Brand 41% Protein Cotton Seed Meal	Cambridge
Gold Dust Brand 41% Protein Cotton Seed Meal	Hagerstown
Glade Valley Milling Co., Walkersville, Md.	
*Gee-Vee 32% Dairy Feed	Walkersville
Gee-Vee Dairy Feed	Walkersville
Gee-Vee 18% Laying Mash	Middletown
Gee-Vee Growing Mash	Walkersville
Pure Winter Wheat Bran	Middletown
Winter Wheat Middlings, with Mill Run Screenings	Middletown
Gee-Vee Starting Mash	Walkersville
Golden Grain Mills, Inc., Harrisburg, Pa.	
*Golden Grain Dairy Feed	Hampstead
*Golden Grain Dairy Feed	Reisterstown
*Golden Grain Dairy Feed	Reisterstown
*Golden Grain Dairy Feed	Street
*Golden Grain Dairy Feed	Street
Golden Grain Dairy Feed	Hampstead
‡Golden Grain Dairy Feed	Street
Capitol Dairy Feed	Reisterstown
*Capitol Dairy Feed	Reisterstown
*‡Capitol Dairy Feed	Reisterstown
Capitol Dairy Feed	Reisterstown
Golden Grain Egg Mash	Hampstead
Golden Grain 34% Mash Concentrate	Reisterstown
‡Golden Grain 32% Mash Concentrate	Reisterstown
‡Golden Grain 28% Starter Concentrate	Reisterstown
Golden Grain Horse Feed	Reisterstown
‡Golden Grain Calf Meal 24%	Reisterstown
Golden Grain Chick Starter	Hampstead
Golden Grain Chick Starter	Street
*‡Golden Grain Chick Feed	Reisterstown
Capitol Scratch Feed	Reisterstown
Goldsboro Milling Co., Goldsboro, Md.	
Marvel's Egg Mash	Goldsboro
Great Atlantic & Pacfiic Tea Co., New York, N. Y.	
Milky Way Dairy Feed	Oakland

*Deficient in protein or fat.
†Deficient in both protein and fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.05	14.00	12.99	4.00	3.47	6.00	3.12	2.35	68.02	As declared on sack.
8.98	10.00	8.78	2.50	2.99	4.00	2.84	1.30	75.11	" "
9.61	16.00	18.60	3.50	4.71	4.00	2.81	3.35	60.92	" "
11.03	16.00	18.52	3.50	4.47	4.00	2.80	2.85	60.33	" "
10.64	15.00	17.20	4.00	4.67	9.50	7.89	4.50	55.10	" "
5.45	45.00	45.19	6.00	7.68	12.00	14.70	4.40	22.58	" "
6.77	41.00	43.61	6.00	7.10	14.00	15.25	4.20	23.07	" "
6.59	41.00	40.19	6.00	8.15	14.00	20.23	3.60	21.24	" "
7.21	41.00	40.63	6.00	5.74	10.00	11.84	6.45	28.13	" "
6.67	41.00	41.24	6.00	6.92	10.00	10.32	6.10	28.75	" "
6.54	32.00	31.15	7.00	5.14	11.00	13.55	6.60	37.02	" "
8.83	20.00	20.41	3.00	4.07	9.00	8.63	6.45	51.61	" "
8.39	18.00	17.99	4.50	5.09	6.50	5.16	7.90	55.47	" "
10.39	16.00	17.20	3.75	4.32	6.50	4.22	8.30	55.57	" "
8.58	15.00	15.62	4.00	4.23	12.00	10.59	6.75	54.23	" "
9.49	16.00	15.36	4.00	4.19	6.00	4.67	3.10	63.19	" "
8.99	17.00	17.72	4.00	4.89	6.50	4.09	10.65	53.66	" "
9.03	34.00	31.70	4.00	5.56	11.00	9.41	11.27	33.03	" "
8.82	34.00	31.29	4.00	5.62	11.00	9.60	11.68	32.99	" "
8.17	34.00	32.72	4.00	5.62	11.00	11.29	10.30	31.90	" "
8.60	34.00	31.43	4.00	4.23	11.00	9.60	12.15	33.99	" "
10.86	34.00	29.40	4.00	3.97	11.00	10.35	11.92	33.50	" "
9.57	24.00	23.48	4.50	4.05	12.00	11.88	8.73	42.29	A.
9.00	20.00	23.73	4.50	4.32	10.00	11.44	9.47	42.04	C.
10.10	20.00	20.36	3.50	3.58	12.00	9.70	7.98	48.28	As declared on sack.
10.50	20.00	17.92	3.50	3.58	12.00	9.41	7.94	50.65	A.
9.68	16.00	14.78	3.75	3.88	12.00	12.29	7.86	51.51	As declared on sack.
9.87	16.00	17.77	3.75	4.02	12.00	11.17	7.53	49.64	" "
6.90	20.00	27.46	5.00	5.75	8.00	9.79	9.65	40.45	A.
6.62	34.00	33.17	4.00	4.02	8.00	8.28	15.45	32.46	A.
7.01	32.00	34.58	4.00	5.07	8.00	8.53	10.95	33.86	A.
7.01	28.00	30.10	4.50	4.77	8.00	8.43	14.30	35.39	As declared on sack.B.
9.45	9.00	9.95	3.00	3.19	6.00	5.98	3.58	67.85	As declared on sack.
8.14	24.00	30.01	4.50	5.29	6.00	8.29	7.25	41.02	" "
7.04	18.50	25.10	4.00	5.36	6.00	9.68	7.80	45.02	A.
7.63	18.50	23.69	4.00	4.28	6.00	9.61	8.20	46.59	A.
10.89	9.00	9.83	3.00	1.85	4.00	1.90	1.90	73.63	As declared on sack.
10.74	9.00	10.35	3.00	2.54	3.00	3.70	1.70	70.97	" " D.
8.85	20.00	21.76	4.50	4.76	9.00	9.45	9.75	45.43	As declared on sack.
11.71	24.00	25.51	3.50	3.56	9.00	9.20	6.88	43.14	" "

A. Ingredients on sack differ from license.
B. Protein guarantee on sack differs from license.
C. Unable to detect Malt Sprouts and Peanut Oil Meal—also detected Linseed Oil Meal.
D. Fibre guarantee on sack differs from license.

Manufacturer and Brand Name	Sampled From	Moisture
Great Atlantic & Pacific Tea Co., New York, N. Y., (Continued)		
Daily Milk Dairy Feed	Oakland	11.9
Daily Egg Laying Mash Feed	Oakland	8.3
Daily Egg Scratch Feed	Oakland	11.2
Green Acre Farms, Nazareth, Pa.		
Green Acres Brand Super Quality Alfalfa Meal	Hagerstown	7.4
*Green Acres Brand Super Quality Alfalfa Meal	Hagerstown	7.1
*Green Acres Brand Super Quality Alfalfa Meal	Hagerstown	7.4
Green Mish Co., Washington, D. C.		
"Green Tag Brand" Prime Peanut Meal	Monrovia	6.7
"Green Tag Brand" Prime Peanut Meal	Germantown	5.5
"Green Tag Prime" Cotton Seed Meal	Thurmont	6.7
"Green Tag Prime" Cotton Seed Meal	New Windsor	6.7
"Green Tag Prime" Cotton Seed Meal	Westminster	6.9
*"Green Tag Prime" Cotton Seed Meal	Frederick	7.9
W. D. Groff, Owings Mills, Md.		
Wil-Gro Laying Mash	Owings Mills	8.4
Hales & Hunter Co., Chicago, Ill.		
Special Red Horn Dairy Feed 24%	Baltimore	9.3
Special Red Horn 20% Dairy Feed	Annapolis	9.4
Gold Flake 16% Dairy Feed	Cumberland	10.6
Sugared Dairy Base	Cumberland	9.2
Morning Glory Egg Mash	Cumberland	7.6
Red Comb Egg Mash, with BM.	Baltimore	7.5
Red Comb Growing Mash	Cumberland	10.2
‡Red Comb All-Mash	Bishop	9.5
Kingfalfa Horse Feed	Baltimore	11.3
Pioneer Pig and Hog Feed	Cumberland	8.0
Red Comb Broiler Mash	Cumberland	9.5
Morning Glory Scratch Feed	Annapolis	11.4
Red Comb Scratch Feed	Annapolis	10.1
Red Comb Duck Starter, with DBM.	Cumberland	7.6
Victoria Rabbit Feed	Baltimore	11.1
W. Jesse Halter, Westminster, Md.		
‡Pure Wheat Bran	Westminster	10.8
‡Pure Wheat Middlings	Westminster	12.3
Dwight Hamlin Co., Pittsburgh, Pa.		
Hamlins Dried Brewers Grains	Derwood	7.7
Hampstead Fertilizer Co., Hampstead, Md.		
R-E-M Home Made Laying Mash	Hampstead	8.1
Home Made Growing Mash	Hampstead	9.3
Home Made Hog Feed	Hampstead	8.1
Hancock Flour & Feed Co., Hancock, Md.		
*Potomac Laying Mash	Hancock	8.1
Soft Winter Wheat Bran	Hancock	10.9
Potomac Starting and Growing Mash	Hancock	10.0

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
11.96	16.00	18.95	3.00	4.16	12.00	12.82	8.59	43.52	As declared on sack.
8.36	20.00	21.41	4.00	4.71	6.50	6.40	11.55	47.57	" "
11.23	10.00	10.18	2.50	3.41	5.00	2.31	2.30	70.57	" "
7.43	13.00	12.25	2.00	2.71	30.00	31.17	10.35	36.09	" "
7.19	13.00	11.85	2.00	2.50	30.00	30.55	10.75	37.16	" "
7.45	13.00	10.27	2.00	2.62	30.00	31.35	9.75	38.57	" "
6.76	45.00	45.02	6.00	7.07	12.00	12.22	4.55	24.38	" "
5.59	45.00	44.75	6.00	7.38	12.00	15.48	4.80	22.00	" "
6.71	41.00	41.42	5.00	5.78	13.00	12.04	6.40	27.65	" "
6.71	41.00	41.07	5.00	5.97	13.00	12.21	6.30	27.74	" "
6.96	41.00	41.07	5.00	5.71	13.00	10.93	6.30	29.03	" "
7.98	41.00	39.49	5.00	6.20	13.00	12.30	5.40	28.63	" "
8.43	18.00	18.08	5.00	4.99	8.00	8.04	8.05	52.41	" "
9.39	24.00	23.76	3.50	3.27	12.00	10.89	8.64	44.05	" "
9.40	20.00	21.17	3.50	3.43	12.00	11.24	8.67	46.09	" "
10.68	16.00	19.44	3.00	2.97	15.00	10.32	9.23	47.36	" "
9.29	5.00	6.29	1.50	1.32	26.00	22.92	8.48	51.70	" "
7.63	20.00	19.92	4.00	4.22	8.00	8.14	10.45	49.64	" "
7.54	18.00	20.44	4.00	4.89	7.00	7.05	8.75	51.33	" "
10.29	16.00	19.31	4.00	4.91	7.00	6.29	7.05	52.15	" "
9.59	15.00	17.11	4.00	3.90	8.00	8.03	7.00	54.37	" "
11.34	9.00	11.14	2.50	3.49	10.00	8.23	4.59	61.21	" "
8.01	20.00	22.63	4.00	3.92	7.00	6.70	9.39	49.35	" "
9.53	18.00	19.92	4.00	4.42	7.00	5.79	8.10	52.24	" "
11.40	10.00	10.18	2.50	2.57	5.00	3.00	1.55	71.30	" "
10.18	10.00	10.71	2.50	2.79	5.00	3.41	2.60	70.31	" "
7.61	18.00	23.69	3.00	4.32	6.00	6.16	7.50	50.72	" "
11.13	12.00	12.40	2.00	2.35	16.00	15.62	8.02	50.48	" "
10.80	14.00	14.04	3.00	3.25	9.00	10.98	7.10	53.83	" "
12.39	13.00	14.39	3.00	3.42	5.00	4.32	3.35	62.13	" "
7.73	24.00	25.01	6.00	5.95	18.00	15.33	3.20	42.78	" "
8.18	20.00	20.80	4.50	5.00	8.00	8.12	8.15	49.75	" "
9.35	17.00	19.22	4.00	5.24	7.00	6.59	9.40	50.20	" "
8.11	15.00	17.55	4.00	4.58	8.00	5.91	6.25	57.60	" "
8.11	20.00	18.95	4.50	4.79	6.50	6.95	8.90	52.30	" "
10.93	14.00	14.57	3.50	3.74	10.00	6.11	4.95	59.70	" "
10.07	17.00	17.29	4.50	4.01	5.25	5.76	9.40	53.47	A.

A. Also detected Charcoal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Frank Harbaugh, Middleburg, Md.	
*Use More Dairy Feed	Middleburg
Use More Egg and Growing Mash	Middleburg
*Use More Pig and Hog Meal	Middleburg
U. L. Harman, Marydel, Md.	
Mary-Del Egg Mash	Marydel
Harman's Best Laying Mash	Marydel
Hecker-H-O Division of Hecker Products Corp., Buffalo, N. Y.	
Force Feed	Derwood
Hershey Creamery Co., Harrisburg, Pa.	
Hershey's Superior Powdered Skim Milk	Detour
Hespenheide & Thompson, Inc., York, Pa.	
Premier 24% Dairy Feed (Sweet)	Jarrettsville
Premier 16% Dairy Feed	Westminster
York Laying Mash, with Cod Liver Oil	Jarrettsville
Premier Egg Mash, with BM., Charcoal and Minerals	Jarrettsville
‡Premier Egg Mash, with BM., Charcoal and Minerals	Baltimore
‡Premier Egg Mash, with BM., Charcoal, Minerals and Cod Liver Oil	Baltimore
‡Premier Alfalfa-Molasses Mix	Massey
‡Premier ReGround Oatfeed-Molasses Mix	Massey
Premier Pig and Hog Meal	Westminster
Premier Baby Chick Starter, with Cod Liver Oil	Jarrettsville
York Chick Starter, with Cod Liver Oil	Jarrettsville
York Scratch Feed	Jarrettsville
Hood Mills Co., Baltimore, Md.	
‡Hood-Red Arrow 20% Sweet Dairy Ration	Baltimore
‡16½% Hood Dairy Ration	Medford
John P. Howard, Hagerstown, Md.	
Howards Poultry Mash	Hagerstown
Howards Scratch Grains	Hagerstown
Howards Pigeon Feed with Corn	Hagerstown
Howards Pigeon Feed without Corn	Hagerstown
Smith Hoyle, Boyds, Md.	
Pure Wheat Bran	Boyds
Pure Wheat Middlings	Boyds
Hubbard Milling Co., Mankato, Minn.	
‡Hubbard's Sunshine Concentrate	Easton
‡Hubbard's Sunshine Broiler Mash	Federalsburg
Humphries Supply Co., Glyndon, Md.	
Wheeler Special Laying Mash	Glyndon
Glyco Grower	Glyndon
Glyco Starter	Glyndon

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.75	16.50	19.73	4.00	3.30	10.00	8.76	6.33	51.13	As declared on sack.
8.51	20.00	20.27	4.00	4.66	7.00	6.99	7.70	51.87	" "
9.73	19.00	18.25	5.00	4.48	5.00	5.92	7.45	54.17	" "
6.53	18.00	18.95	4.50	5.07	8.00	7.78	10.20	51.47	" "
8.05	20.00	19.83	5.00	5.81	7.00	5.74	10.45	50.12	" "
8.01	9.50	9.74	1.75	2.39	5.00	5.07	3.75	71.04	" "
.....	32.00	35.45	.25	x 1.02	.....	.....	8.45	.....	" "
10.15	24.00	25.74	4.00	3.96	12.00	6.87	7.19	46.09	" "
10.58	16.00	17.13	3.00	2.97	12.00	12.40	9.67	47.25	" "
8.70	18.00	21.33	3.00	5.48	7.50	6.31	10.22	47.96	" "
8.73	20.00	20.01	4.50	4.33	7.00	6.72	8.60	51.61	" "
7.74	20.00	20.01	4.50	4.79	7.00	7.10	8.90	51.46	" "
8.96	20.00	20.36	4.50	5.35	7.00	6.87	9.20	49.26	" "
10.84	10.00	10.64	.50	1.43	21.00	14.86	7.91	54.32	" "
11.05	4.50	4.64	2.00	1.79	28.00	21.48	9.85	51.19	" "
9.98	16.00	17.20	4.00	3.84	7.00	5.96	10.80	52.22	" "
8.71	18.00	22.46	4.00	4.96	5.00	5.12	8.60	50.15	" "
8.19	18.00	18.19	4.00	5.59	6.00	4.64	7.89	55.50	" "
11.19	9.00	10.27	2.50	2.49	5.00	2.99	1.55	71.51	" "
10.09	20.00	21.78	3.50	4.25	12.00	7.48	11.68	44.72	B.
10.99	16.50	19.13	3.00	2.57	12.00	9.17	6.71	51.43	C.
8.33	18.00	19.13	5.00	5.13	7.00	5.41	3.20	58.80	As declared on sack.
9.24	10.00	10.35	2.50	4.07	4.00	3.84	2.05	70.45	" "
9.79	12.50	11.93	3.25	2.93	3.50	3.28	1.90	70.17	" "
9.58	14.00	14.39	3.00	2.88	4.00	4.53	2.35	66.27	" "
10.21	14.48	13.60	4.00	3.56	8.00	10.14	5.80	56.69	" "
10.95	15.00	14.30	4.00	3.84	4.00	4.94	3.55	62.42	" "
6.80	32.00	31.59	5.00	7.22	7.00	6.42	13.05	34.92	" "
6.44	16.00	19.04	5.00	6.09	6.00	7.37	7.25	53.81	" "
8.50	20.00	20.88	4.50	4.92	7.00	8.37	9.40	47.93	A.
8.66	16.00	16.76	3.50	4.78	7.50	7.81	8.55	53.44	A.
9.37	18.50	17.38	5.50	6.38	7.00	6.76	8.20	51.91	A.

x. Fat as determined by the Roese-Gottlieb Method.
A. Ingredients on sack differ from license.
B. Unable to detect Cottonseed Meal, Linseed Oil Meal, Peanut Meal, Wheat Bran, Wheat Midds—also detected Soybeen Oil Meal, Rice Bran, Dried Grains declared—find both Corn and Rye Distillers Grains present.
C. Unable to detect Cottonseed Meal—also detected Soybean Oil Meal and Colza Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hurlock Milling Co., Hurlock, Md.	
Best Quality Laying Mash	Hurlock
Best Quality Pig Meal	Hurlock
*Pure Wheat Bran	Hurlock
*Pure Wheat Middlings	Hurlock
Huston, Culver & Co., Seaford, Del.	
Fish Meal	Mardela Springs
Independent Manufacturing Co., Philadelphia, Pa.	
‡Independent 45% Meat Scrap and Bone	Cambridge
Ingleside Milling Co., Ingleside, Md.	
Ingleside Laying Mash	Ingleside
International Milling Co., Minneapolis, Minn.	
Blackhawk Wheat Red Dog	Jefferson
Ismert Hinkle Milling Co., Kansas City, Kan.	
‡Pure Wheat Bran	Middleburg
James Irelands Mill, Easton, Md.	
Hog Feed	Easton
Pure Wheat Bran	Easton
*Pure Wheat Middlings	Easton
W. J. Jennison Co., Minneapolis, Minn.	
‡Sweet Cream Pure Wheat Bran	Oakland
*‡Red Dog	Oakland
R. D. Johnson Milling Co., Cumberland, Md.	
*"Atlas" Dairy Feed	Cumberland
"Atlas" Egg Mash	Cumberland
"Atlas" Stock Feed	Cumberland
*"Atlas" Scratch Feed	Cumberland
Kansas Flour Mills, Corp., Kansas City, Mo.	
Big Flake Pure Wheat Bran	Adamstown
Kasco Mills, Inc., Waverly, N. Y.	
Kasco 32% Mixing Feed	Annapolis
Kasco Mormilk Dairy Ration	Cumberland
Beatsall Milk Grains	Cumberland
Apex 20% Dairy Ration	Hagerstown
Kasco Sweet 16% Dairy Feed	Hagerstown
‡Kasco Farm Feed	Hagerstown
‡Kasco Laying Mash	Hagerstown
‡Oc-Sak Laying Mash	Annapolis
Apex Complete Grower	Oakland
‡Kasco Growing Grains	Hancock
Kasco Poultry Flushing Mash	Hancock
‡Kasco Broiler Ration	Cumberland
‡Kasco Poultry Fattener	Hancock

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.45	20.50	22.38	4.50	4.33	9.62	7.09	9.55	50.20	A.
9.61	20.00	21.15	4.50	4.59	8.00	5.48	5.25	53.92	B.
7.57	14.50	13.08	4.00	3.72	9.00	10.89	6.65	58.09	As declared on sack.
7.61	14.50	12.90	4.00	3.54	9.00	4.56	3.40	67.99	" "
7.76	55.00	57.92	4.00	10.63	1.00	.52	17.25	5.92	" "
7.45	45.00	44.14	8.00	13.21	3.00	1.46	35.30	.....	" "
6.63	17.00	20.53	3.50	4.52	9.50	9.35	13.40	45.57	" "
11.41	16.00	16.85	3.50	3.47	4.00	3.03	2.85	62.39	As declared on sack.
10.76	16.00	16.85	3.50	4.55	11.00	12.33	7.00	48.51	" "
10.97	16.00	16.32	2.75	2.91	5.00	4.64	5.50	59.66	D.
8.71	13.00	13.16	3.00	3.79	10.00	9.21	5.35	59.78	As declared on sack.
10.54	13.00	12.55	3.00	2.33	8.00	2.81	1.95	69.82	" "
8.21	15.00	19.04	4.00	4.49	12.00	9.51	6.00	52.75	" "
10.88	16.00	17.55	3.50	1.96	4.00	1.59	1.80	66.22	" "
7.51	16.00	15.62	4.30	3.73	6.10	12.83	10.55	49.76	F.
7.43	18.00	19.66	4.00	5.38	7.00	6.09	16.20	45.24	H.
7.33	9.00	9.21	3.00	4.70	12.00	21.56	6.80	50.40	As declared on sack.
9.24	11.50	10.97	3.46	2.83	2.48	3.49	1.50	71.97	" "
9.84	15.00	15.01	3.50	3.52	11.00	10.36	6.20	55.07	J.
9.62	32.00	32.16	5.00	5.40	10.00	9.63	7.34	35.85	As declared on sack.
9.41	24.00	25.45	4.50	4.05	10.00	10.05	8.41	42.63	" "
10.69	22.00	24.24	4.00	4.01	10.00	8.13	8.19	44.74	" "
7.70	20.00	23.80	3.50	4.67	12.00	12.13	8.60	43.10	" "
8.79	16.00	18.52	3.50	3.34	12.00	11.58	10.08	47.69	K.
9.88	16.00	16.50	4.00	3.51	9.00	8.32	8.45	53.34	E.
8.49	20.00	20.80	4.00	4.49	6.50	6.99	10.60	48.63	As declared on sack.
7.63	17.00	18.16	3.50	4.55	8.50	8.20	9.70	51.76	" "
9.28	14.00	16.85	4.00	4.76	8.50	7.67	9.60	51.84	" "
12.08	10.00	10.00	2.50	2.07	4.00	2.26	2.15	71.44	" "
8.72	17.00	19.48	4.00	5.25	5.50	5.65	11.05	49.85	G.
9.71	18.00	17.99	4.00	4.51	5.50	6.31	10.25	51.23	As declared on sack.
9.18	13.00	15.18	4.50	4.25	5.00	5.77	12.70	52.92	" "

A. Ingredients on sack differ from license.
B. Also detected Corn Gluten and Wheat Bran.
D. Also detected White Corn Meal and Corn Bran.
E. Also detected Corn Gluten.
F. Also detected Oat Mill Feed.
G. Also detected Corn Gluten Meal.
H. Also detected Calcium Carbonate.
J. Detected 1.75% Ground Screenings.
K. Also detected Whole Weed Seed.

Manufacturer and Brand Name	Sampled From
Kasco Mills, Inc., Waverly, N. Y., (Continued)	
Oc-Sak Horse Feed	Oakland
‡Kasco Special Horse & Mule Feed	Annapolis
‡Apex Sugared Chop	Oakland
‡Kasco Hog Supplement	Hagerstown
‡Oc-Sak Hog Meal	Hagerstown
Kasco Pig-Hog Feed	Cumberland
Apex Starter	Hagerstown
‡Apex Starter	Annapolis
Kasco All Mash Chick Food	Manchester
‡Oc-Sak Chick Grains	Annapolis
‡Oc-Sak Scratch Grains	Annapolis
‡Kasco Pigeon Feed	Cumberland
Kasco Turkey Starter	Hancock
Kasco Complete Rabbit Ration	Cumberland
Keedysville Milling Co., Inc., Keedysville, Md.	
*Eureka Laying Mash	Keedysville
Wheat Bran	Keedysville
Wheat Middlings	Keedysville
Kelco Company, New York, N. Y.	
Kelco-Meal	Ellicott City
Kemo Mills, Toledo, Ohio	
‡Kayo Poultry Mash	Annapolis
F. P. Kepple, Rising Sun, Md.	
32% Dairy	Rising Sun
Key Grain & Feed Co., Keymar, Md.	
The Key 32% Dairy Ration	Detour
The Key Dairy Ration	Keymar
The Detour Laying Mash	Detour
The Key Laying Mash	Keymar
The Key Growing Mash	Detour
The Key Starting Mash	Detour
The Key Pig Meal	Detour
King Bros. & Co., Philadelphia, Pa.	
King's 42% Protein Soyabean Oil Meal	Sudlersville
Dried Beet Pulp	Sudlersville
Wheat Bran, with Ground Screenings N.Ex.M.R.	Cambridge
Wheat Middlings, with Ground Screenings N.Ex.M.R.	Westover
King's Pure Dried Skim Milk	Denton
Kinsey Distilling Co., Philadelphia, Pa.	
Linfield Rye Distillers Dried Grains	Baltimore
‡Linfield Rye Distillers Dried Grains	Bel Air
Kline Brothers, Inc., Boonsboro, Md.	
Kline Brothers Egg Mash	Boonsboro
Wheat Bran	Boonsboro

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.89	9.00	9.72	2.25	2.82	12.00	12.75	6.90	56.92	As declared on sack.
8.82	10.00	11.33	3.00	3.44	12.00	8.79	4.33	63.29	" "
11.58	10.00	11.01	3.00	3.23	12.00	12.87	6.80	54.51	" "
7.89	40.00	40.19	4.00	4.28	6.50	5.10	17.45	25.09	H.
7.81	20.00	19.13	4.50	4.45	10.00	8.75	9.90	49.96	As declared on sack.
8.53	17.00	18.69	4.50	4.89	7.50	7.67	9.40	50.82	" "
8.54	15.00	16.76	4.00	4.69	6.00	6.22	10.60	53.19	" "
10.21	15.00	16.32	4.00	4.76	6.00	6.68	9.95	52.08	" "
9.65	17.00	18.95	4.00	4.87	5.50	4.84	9.30	52.39	" "
10.76	9.00	9.30	2.50	2.78	3.50	1.51	1.30	74.35	" "
12.00	9.00	10.79	2.50	3.25	4.00	2.89	1.90	69.17	A.
10.16	12.00	14.74	2.50	3.41	4.00	4.09	2.15	65.45	As declared on sack.
8.66	24.00	24.22	4.00	4.76	8.00	7.04	12.30	43.02	" "
10.08	12.00	13.13	2.00	2.47	20.00	14.95	7.57	51.80	" "
8.28	20.00	20.27	5.00	4.13	7.00	7.07	10.85	49.40	" "
8.55	13.50	14.22	3.20	3.03	8.35	9.14	6.40	58.66	" "
10.08	14.00	14.83	3.50	3.74	3.25	3.32	3.60	64.43	" "
8.35	3.00	5.09	.10	1.09	10.00	6.58	37.90	40.99	" "
10.94	15.00	18.34	3.50	3.71	8.50	7.61	10.86	48.54	" "
10.03	32.00	33.08	4.50	4.39	9.00	8.92	9.05	34.53	" "
7.40	32.00	32.64	4.75	5.24	11.00	9.81	7.65	37.26	" "
8.59	20.00	23.34	4.00	4.43	11.00	9.46	7.75	46.43	" "
10.61	19.00	20.80	4.50	5.75	9.00	8.93	10.10	43.81	" "
8.47	19.00	20.71	5.00	5.63	7.00	5.84	10.10	49.25	" "
10.64	16.00	18.52	4.50	4.54	7.00	6.12	9.25	50.93	" "
8.52	16.00	17.11	4.50	4.47	6.00	5.92	7.40	56.58	" "
8.76	17.00	17.99	4.00	4.97	7.00	6.31	8.80	53.17	" "
7.95	42.00	43.88	4.00	7.83	7.50	5.92	6.20	28.22	" "
8.63	7.50	9.04	.50	.54	20.00	19.69	3.85	58.25	" "
9.70	13.00	16.67	3.00	4.36	13.00	9.82	7.25	52.20	" "
10.00	13.00	15.62	3.00	2.93	10.00	8.99	6.00	56.46	" "
.....	30.00	35.54	1.00	x .99	.....	.....	8.15	.....	" "
11.46	13.00	13.08	6.00	6.08	17.00	14.67	6.65	48.06	" "
6.55	13.00	12.99	6.00	6.37	17.00	16.09	2.65	55.35	" "
8.05	18.00	20.01	3.50	4.88	7.00	7.12	7.60	52.34	" "
7.36	14.00	14.74	4.00	4.31	9.00	10.54	7.25	55.80	" "

A. Also detected Kaffir Corn and Sunflower Seed.
H. Also detected Wheat Bran.
x. Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Kline Brothers, Inc., Boonsboro, Md., (Continued)	
Wheat Middlings	Boonsboro
Kline Brothers Scratch Grains	Boonsboro
Charles F. Knock, Frederick, Md.	
‡Laying Mash, with BM	Frederick
‡Medium Scratch Feed	Frederick
‡Scratch Feed	Frederick
H. C. Knoke & Co., Chicago, Ill.	
Barley Feed	Derwood
Ray Kramer, Mt. Lebanon, Pittsburgh, Pa.	
‡Kramer's Corn Distillers Dried Grains	Maugansville
Chas A. Krause Milling Co., Milwaukee, Wis.	
Krause Badger White Hominy Feed	Westminster
H. Curtis Krout, Maryland Line, Md.	
Krout's Dairy Ration	Maryland Line
Krout's Egg Mash	Maryland Line
Lakeview Milling Co., Chambersburg, Pa.	
‡Soft Winter Wheat Bran, with Ground Screen, N.Ex.M.R.	Chewsville
‡Soft Winter Wheat Middlings, with Ground Screen, N.Ex.M.R.	Chewsville
F. S. Langrell, Preston, Md.	
Pure Wheat Bran	Preston
Pure Wheat Middlings	Preston
Larrowe Milling Co., Detroit, Mich.	
*41% Protein Cottonseed Meal Prime Quality	Grantsville
Larrowe's 32 Dairy Feed	Reisterstown
Larro The Ready Ration For Dairy Cows	Baltimore
Larro The Ready Ration For Dairy Cows	Mt. Airy
Larrowe's 16 Dairy Feed	Baltimore
‡Larro Egg Mash (Pelleted)	Baltimore
Larro Egg Mash	Baltimore
Larro Egg Mash	Silver Spring
Larro Pig Builder	Silver Spring
Larro Broiler Feed	Silver Spring
Dried Beet Pulp	Silver Spring
Larro Growing Grains	Baltimore
Larro Chick Builder	Baltimore
Larro Scratch Grains	Baltimore
Larro Scratch Grains	Silver Spring
Larro Turkey Builder	Mt. Airy
I. F. Laucks, Inc., Portsmouth, Va.	
*‡Laux Forty-Four Pure O. P. Soybean Oil Meal	Hagerstown
Leisters Feed Store, Millers, Md.	
Hamco Egg Mash	Millers

*Deficient in protein or fat.
‡Not licensed at time of sale

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.21	15.00	16.94	4.00	4.78	5.00	5.23	3.60	60.24	As declared on sack.
9.85	9.00	10.35	2.50	3.23	6.00	2.52	1.75	72.30	A.
8.85	18.00	20.97	3.00	5.32	10.00	6.24	10.70	47.92	B.
10.67	9.00	10.62	3.00	3.48	5.00	2.78	1.90	70.55	C.
11.90	9.00	9.65	3.00	3.43	5.00	2.99	1.40	70.63	As declared on sack.
7.77	12.00	14.22	3.00	4.07	14.00	12.35	5.10	56.49	" "
7.08	25.00	27.03	7.00	7.70	17.00	14.36	5.75	38.08	" "
8.83	10.00	11.14	6.00	6.41	5.00	4.91	3.00	65.71	" "
9.84	20.00	21.85	3.75	4.39	12.00	9.61	6.10	48.21	D.
7.85	20.00	21.71	4.00	5.09	7.00	8.01	9.05	48.29	A.
9.61	14.00	14.92	4.00	4.28	9.50	9.38	6.00	55.81	As declared on sack.
9.47	15.00	15.80	4.00	4.59	7.00	5.72	4.35	60.07	" "
7.58	13.00	12.72	3.00	2.90	10.00	7.26	4.35	65.19	" "
9.15	13.00	14.39	3.00	4.09	7.00	3.53	2.95	65.89	" "
6.69	41.00	41.33	6.00	4.96	10.00	9.73	6.45	30.84	" "
7.10	32.00	32.99	4.00	4.75	10.50	10.48	10.05	34.63	" "
8.17	20.00	21.06	3.75	3.85	12.00	11.51	6.60	48.81	" "
9.72	20.00	21.41	3.75	3.99	12.00	9.85	6.25	48.78	" "
8.55	16.00	17.72	3.00	3.35	11.00	10.66	5.70	54.02	" "
8.98	20.00	21.76	4.00	4.57	7.50	6.32	9.90	48.47	" "
9.26	20.00	21.94	4.00	4.60	7.50	7.20	10.80	46.20	" "
9.57	20.00	21.54	4.00	4.85	7.50	6.63	10.80	46.61	" "
9.68	17.50	18.78	4.00	4.30	7.50	6.66	8.80	51.78	" "
6.35	18.00	20.62	4.00	4.65	6.50	5.74	9.30	53.34	" "
9.19	7.00	9.65	.30	.41	22.50	19.93	3.55	57.27	" "
11.02	10.00	10.79	2.00	3.30	4.00	2.03	1.85	71.01	" "
9.53	19.00	21.41	4.00	4.46	7.00	6.91	9.55	48.14	" "
11.17	10.00	11.14	2.00	2.76	4.00	2.63	1.75	70.55	" "
11.20	10.00	11.41	2.00	2.55	4.00	2.17	1.35	71.32	" "
8.59	24.00	25.80	4.50	4.82	6.50	6.01	11.25	43.53	" "
8.91	44.00	47.04	5.00	4.39	6.50	5.67	6.35	27.64	" "
7.46	20.00	20.45	4.00	5.09	8.00	8.89	12.35	45.76	" "

A. Ingredients on sack differ from license.
B. Unable to detect Corn Gluten Meal.
C. Unable to detect Sunflower Seed.
D. Unable to detect Beet Pulp.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
John W. Lewis & Bros. Co., Philadelphia, Pa.	
34% O. P. Linseed Meal	Maugansville
Liberty Milling Co., Germantown, Md.	
Liberty 32% Dairy Feed	Germantown
*Montgomery 26% Dairy Feed	Germantown
Liberty 16% Dairy Feed	Germantown
Liberty Egg Mash	Germantown
Liberty Growing Mash	Germantown
Liberty Hog Meal	Germantown
Winter Wheat Bran	Germantown
Winter Wheat Middlings, with M.R.S.	Germantown
Winter Wheat Middlings, with M.R.S.	Germantown
Liberty Baby Chick Starter	Germantown
Liberty Scratch Grains	Germantown
Linwood Elevator Co., Linwood, Md.	
Linwood Dairy Feed	Linwood
Linwood Laying Mash	Linwood
Linwood Complete Pig Meal	Linwood
Samuel C. Long, Wicomico, Md.	
Pure Wheat Bran	Wicomico
*Pure Wheat Middlings	Wicomico
Maritime Milling Co., Inc., Buffalo, N. Y.	
Bull Brand 24 Dairy Ration	Baltimore
Hi-Test Dairy Feed	Baltimore
Hi-Test Dairy Feed	Mardela Springs
Marmico 16% Protein Dairy Feed, with Molasses	Baltimore
Marmico 16% Protein Dairy Feed, with Molasses	Mardela Springs
B-B. Daisy Egg Mash Vitamized with Cod Liver Oil and DBM.	White Hall
B-B. Layer and Breeder Mash Vitamized with Cod Liver Oil, DBM. Milk Sugar Feed and Liver Meal	White Hall
‡B-B. Pig and Hog Feed, with Minerals	Baltimore
B-B. Daisy Chick Starter Ration Vitamized with Milk Sugar Feed and Cod Liver Oil	Baltimore
‡B-B. Daisy Chick Starter Ration Vitamized with Milk Sugar Feed and Cod Liver Oil	Elkton
B-B. Complete Chick Starter Ration Vitamized with Cod Liver Oil, DBM. and Milk Sugar Feed	Baltimore
‡B-B. Complete Chick Starter Ration Vitamized with Cod Liver Oil, DBM. and Milk Sugar Feed	Elkton
B-B. Chick Feed	White Hall
B-B. Daisy Scratch Feed	White Hall
Earl Martin, Hagerstown, Md.	
16% Dairy Feed	Hagerstown
Mauser Mill Co., Treichlers, Pa.	
‡Mauser's Flour Middlings, with Ground Screenings N.Ex.M.R.	Detour
C. W. McFadden & Sons, Pylesville, Md.	
Laying Mash	Pylesville

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.59	34.00	36.68	5.00	5.88	10.00	7.91	5.45	35.49	As declared on sack. F.
8.78	32.00	32.03	4.00	4.26	11.00	10.56	9.60	34.77	B.
8.85	26.00	26.41	5.00	4.06	9.00	10.18	8.20	42.30	As declared on sack.
10.06	16.00	16.76	3.50	3.83	15.00	14.62	6.75	47.98	" "
8.26	19.00	22.46	4.50	5.39	7.00	7.10	11.75	45.04	C.
10.23	18.00	18.43	4.00	5.05	6.50	6.29	8.60	51.40	B.
10.53	20.00	21.32	5.00	4.65	5.00	8.00	7.15	48.35	As declared on sack.
10.67	14.00	14.74	4.00	4.34	10.50	9.64	5.50	55.11	" "
11.82	14.00	14.83	4.00	4.39	10.00	4.69	3.40	60.87	" " D.
11.47	14.00	15.01	4.00	4.79	10.00	5.72	2.95	60.06	" " D.
9.98	14.00	17.29	4.50	4.87	6.00	5.91	8.60	53.35	As declared on sack.
12.49	10.00	10.00	3.50	3.65	3.00	2.59	2.40	68.87	E.
9.10	16.00	19.66	3.50	3.91	15.00	9.95	9.60	47.78	As declared on sack.
9.24	18.00	20.45	4.50	4.23	8.00	6.27	8.20	51.61	" "
8.61	15.00	18.16	4.00	3.93	7.00	6.92	8.50	53.88	" "
8.08	13.00	13.51	4.00	3.92	10.00	9.89	5.40	59.20	" "
9.26	13.00	13.16	4.00	3.49	5.00	2.73	2.15	69.21	" "
9.45	24.00	24.91	4.00	4.01	11.00	10.22	6.43	44.98	" "
8.50	24.00	25.02	4.00	4.18	12.00	12.07	8.57	41.66	" "
9.72	20.00	19.96	4.00	4.04	12.00	12.06	8.43	45.79	" "
9.55	16.00	16.43	4.00	3.95	12.00	14.40	6.19	49.48	" "
8.98	16.00	16.07	4.00	3.59	12.00	12.02	8.83	50.51	" "
7.95	20.00	21.32	3.50	5.37	9.00	9.06	10.85	45.45	" "
7.03	20.00	21.95	4.50	6.45	7.00	7.66	13.20	43.71	" "
9.52	14.00	15.59	3.50	4.15	9.00	9.02	11.32	50.40	" "
9.68	17.00	19.74	4.00	4.27	8.00	6.25	8.60	51.46	" "
9.44	17.00	20.53	4.00	5.22	8.00	8.08	8.55	48.18	" "
9.12	20.00	21.59	4.00	5.43	6.00	6.05	8.65	49.16	" "
9.07	20.00	20.62	4.00	5.45	6.00	5.91	7.70	51.25	" "
9.71	10.00	10.35	2.00	3.25	4.00	2.41	1.70	72.58	A.
10.81	9.00	10.62	2.50	2.93	5.00	2.80	1.60	71.24	As declared on sack.
8.60	16.00	17.48	3.00	3.67	15.00	15.40	6.22	48.63	" "
11.24	15.00	17.20	4.00	3.83	6.00	3.29	3.10	61.34	" "
7.96	19.00	19.48	5.00	5.81	6.00	7.01	11.85	47.89	" "

A. Also detected Split Green Peas.
B. Ingredients on sack differ from license.
C. Protein guarantee and ingredients on sack differ from license.
D. Protein and Fibre guarantee on sack differ from license.
E. Fat and Fibre guarantee and ingredients on sack differ from license—Unable to detect Buckwheat.
F. Acid Insoluble Ash 0.24%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
C. W. McFadden & Sons, Pylesville, Md., (Continued)	
Pure Buckwheat Middlings	Pylesville
*Pure Wheat Bran	Pylesville
Pure Wheat Middlings	Pylesville
Pure Corn Meal	Pylesville
McMillen Feed Mills, Inc., Fort Wayne, Ind.	
Big 'C" 20% Dairy Feed	Lineboro
Master Mix 34% Mash Concentrate	Hampstead
Master Mixing Feed	Lineboro
Master Mix 40% Hog Concentrate	Lineboro
‡Master Mix 32% Chick Concentrate	Lineboro
Meadow Brook Farms, Nazareth, Pa.	
Meadow Brook Farms Brand Superior Alfalfa Meal	Derwood
Medford Grocery Co., Medford, Md.	
*Pure Corn Meal	Medford
Menhaden Fish Meal Co., Baltimore, Md.	
Pure Ground Fish Meal	Baltimore
Pure Ground Fish Meal	Hampstead
‡60% Digester Tankage	Sykesville
Mennel Milling Co., Toledo, Ohio	
Memo Pure Soft Wheat Bran	Lewistown
Henry Mesner & Son, Baltimore, Md.	
‡E-Z-Fed Laying Mash, with BM., Cod Liver Oil and Minerals	Baltimore
‡Mesner's Special Scratch Feed	Baltimore
Metcalfe Brothers, Chestertown, Md.	
Chester 20% Dairy	Chestertown
Special Laying Mash	Chestertown
Leo H. Michael, Buckeystown, Md.	
‡§Michael's Laying Mash	Buckeystown
‡§Pig and Hog Meal	Buckeystown
Mitsui & Co., Ltd., New York, N. Y.	
‡Manchurian Pressed Cake Powder Soya Bean Meal O. P.	Baltimore
Manchurian Pressed Cake Powder Soya Bean Meal O. P.	Ellicott City
Molaso Meal & Manufacturing Co., Baltimore, Md.	
‡Molaso Meal	White Hall
Eugene Mondschein, Baltimore, Md.	
Wet Malt Sprouts	College Park
Montana Flour Mills Co., Cleveland, Ohio	
‡"Montco" Standard Middlings, with Ground Screens N.Ex.M.R.	Frederick
Mount Airy Milling Co., Mount Airy, Md.	
Lamore Egg Mash	Mt. Airy

*Deficient in protein or fat.
‡Not licensed at time of sale.
§No information on bag at time of sampling.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.89	28.00	30.18	6.00	6.40	6.00	7.18	5.45	39.90	As declared on sack.
8.62	13.00	13.08	4.50	2.88	5.50	9.83	5.65	59.94	" "
11.01	14.00	14.57	5.00	4.72	6.00	4.38	3.20	62.12	" "
11.65	9.00	8.60	3.00	2.83	3.00	1.68	1.25	73.99	" "
9.87	20.00	20.31	3.00	2.94	12.50	12.67	9.25	44.96	" "
7.47	34.00	35.72	4.00	4.47	8.00	7.54	15.80	29.00	" "
10.94	24.00	27.98	3.00	3.08	8.00	6.88	10.29	40.83	" "
7.42	40.00	41.94	4.00	4.91	8.00	8.46	10.90	26.37	" "
6.48	32.00	32.38	4.00	4.30	8.00	6.45	20.15	30.24	" "
6.37	17.00	22.99	2.00	2.79	27.00	20.79	10.80	36.26	" "
11.62	9.00	7.02	4.00	5.67	3.00	1.50	.80	73.39	" "
7.63	58.00	60.99	4.00	10.01	1.75	.36	14.90	6.11	" "
7.17	58.00	60.55	4.00	10.39	1.75	.33	18.30	3.26	" "
8.47	60.00	60.90	8.00	8.12	2.00	1.28	19.00	2.23	" "
8.54	15.00	14.65	4.00	3.77	9.50	9.24	6.55	57.25	" "
7.29	20.00	21.94	4.00	4.60	7.00	7.99	9.90	48.28	" "
11.13	10.00	10.27	2.50	2.50	5.00	2.59	1.85	71.66	" "
6.85	20.00	24.31	4.00	4.57	10.00	9.69	7.00	47.58	" "
7.58	20.00	22.38	4.00	5.52	10.00	6.36	9.20	48.96	" "
7.97	18.00	22.46	5.00	4.73	12.00	4.37	7.20	53.27	" "
9.47	19.00	19.40	4.00	4.42	6.50	6.16	6.10	54.45	" "
8.02	42.00	43.44	6.00	7.74	6.00	5.27	6.65	28.88	" "
7.87	42.00	43.61	6.00	8.24	6.00	6.51	6.65	27.12	" "
10.79	10.00	12.37	2.00	3.29	8.00	7.74	7.91	57.90	" "
87.94	2.25	2.35	.20	.14	4.00	2.97	2.61	3.99	" "
11.25	16.00	20.62	4.00	4.53	9.00	5.46	5.60	52.54	" "
9.46	19.00	20.18	5.50	5.71	8.00	7.96	11.70	44.99	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Mount Airy Milling Co., Mount Airy, Md., (Continued)	
Husky Growing Mash	Mt. Airy
*Winter Wheat Bran, with M.R.S.	Mt. Airy
*Winter Wheat Middlings, with M.R.S.	Mt. Airy
*Husky Starter Mash	Mt. Airy
*Lamore Scratch Feed	Mt. Airy
Mutual Rendering Co., Inc., Philadelphia, Pa.	
Mureco Meat Scrap	Ellicott City
Mureco Meat Scrap	Ellicott City
Mureco Meat Scrap	Denton
Mureco Meat and Bone	Denton
Mureco Meat and Bone	Denton
Neumond Co., St. Louis, Mo.	
*‡"Neumond" Dried Brewers' Grains	Westminster
Neustadt Trading Co., Baltimore, Md.	
Cocoa Bean Residue Meal	Ellicott City
Cocoa Bean Residue Meal	Baltimore
Newsome Feed & Grain Co., Pittsburgh, Pa.	
Palmo Midds	Derwood
Noble-Trotter Rice Milling Co., Inc., Lake Charles, La.	
Mill Run Rice Bran	Sykesville
Mill Run Rice Bran	Baltimore
Norton & Co., Washington, D. C.	
Meat and Bone Scrap	Derwood
Nowak Milling Corp., Hammond, Ind.	
‡Domino 32% Mixing Feed	Ellicott City
‡Domino 24½% Dairy Feed	Ellicott City
*Cream-O-Lene Dairy Feed	Harmony Grove
‡Domino Butterine Dairy Feed	Ellicott City
‡Domino Laying Mash	Ellicott City
‡Export Laying Mash	Ellicott City
‡Domino Egg Pel-ets	Ellicott City
‡Domino Growing Mash	Ellicott City
Domino All Mash Ration	Harmony Grove
Domino 18% Pig Meal	Harmony Grove
Marathon Poultry Fattener	Harmony Grove
Domino Chick Pel-ets	Harmony Grove
‡Marathan Scratch Feed	Ellicott City
‡§Standard Corn Feed Meal	Ellicott City
Domino All-In-One Rab-ets	Harmony Grove
Nuttle Milling Co., Denton, Md.	
Ideal Laying Mash, with Cod Liver Oil	Denton
Ideal Growing Mash, with BM. and Cod Liver Oil	Denton
Pure Wheat Bran	Denton
Pure Wheat Middlings	Denton
Ideal Chick Starter, with BM. and Cod Liver Oil	Denton

*Deficient in protein or fat.
‡Not licensed at time of sale.
§Required information not shown on label.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.69	18.00	18.08	4.00	5.42	7.00	6.85	9.70	51.26	As declared on sack.
10.91	15.00	13.86	4.00	3.76	10.50	8.92	5.45	57.10	" "
10.39	16.00	14.83	4.00	3.89	6.00	3.34	2.70	64.85	" "
10.24	15.00	13.86	4.00	4.68	6.00	4.53	5.00	61.69	" "
12.37	10.00	10.44	3.00	2.41	4.00	2.72	1.30	70.76	" "
6.13	55.00	55.99	6.00	10.93	2.00	2.61	24.30	.04	" "
6.74	55.00	54.99	6.00	6.98	2.00	3.09	26.90	1.30	" "
6.23	55.00	55.72	6.00	9.22	2.00	2.31	26.45	.07	" "
5.41	50.00	50.63	6.00	9.61	2.00	1.64	31.40	1.31	" "
5.41	45.00	46.25	6.00	9.08	2.00	1.25	37.20	.81	" "
6.29	24.00	22.90	4.50	4.71	18.00	11.85	4.20	50.05	" "
6.99	18.00	18.16	6.00	6.86	19.00	18.59	9.10	40.30	" "
5.24	18.00	17.99	6.00	6.43	19.00	18.19	8.40	43.75	" "
5.83	16.00	17.20	7.00	9.31	9.00	7.04	5.35	55.27	" "
8.65	12.00	13.86	12.00	14.87	12.00	14.36	14.55	33.71	" "
6.04	12.00	12.64	12.00	14.54	12.00	12.96	13.40	40.42	" "
5.16	50.00	49.32	8.00	10.15	2.00	2.38	31.85	1.14	" "
9.67	32.00	32.93	4.00	4.30	9.00	8.52	9.61	34.97	" "
9.88	24.50	24.81	4.50	4.33	9.00	8.84	8.77	43.37	" "
10.54	24.00	24.14	4.00	3.20	12.00	11.03	11.10	39.99	" "
9.72	17.00	19.66	4.00	3.80	12.00	10.65	9.76	46.41	" "
9.69	20.00	20.71	4.00	4.37	8.00	6.41	8.30	50.52	" "
8.19	17.00	21.06	3.50	5.55	7.50	7.44	9.80	47.96	A.
7.91	20.00	21.94	4.50	4.95	7.50	7.19	7.70	50.31	As declared on sack.
8.70	18.00	18.16	4.00	5.07	6.00	6.23	9.60	52.24	" "
9.93	16.00	17.29	4.00	4.66	6.00	6.35	7.80	53.97	" "
11.80	18.00	18.06	4.50	4.15	7.50	6.06	8.56	51.37	" "
9.68	13.50	15.36	4.00	5.28	7.00	6.55	4.05	59.08	" "
9.82	18.00	18.69	4.00	5.25	5.00	4.49	10.35	51.40	" "
11.16	9.00	11.58	2.00	2.56	5.00	2.78	2.10	69.82	" "
10.29	8.00	10.53	4.00	4.97	5.00	3.48	2.35	68.38	" "
7.44	12.00	12.72	3.00	2.94	16.50	15.79	9.40	51.71	" "
7.36	20.00	20.27	5.00	5.39	8.00	8.04	13.30	45.64	" "
8.49	15.00	16.50	4.00	4.79	6.00	5.45	8.40	56.37	" "
9.92	12.00	12.55	3.00	3.22	7.00	9.62	6.55	58.14	" "
9.09	12.00	12.90	2.00	3.51	4.00	3.23	2.90	68.37	" "
8.03	15.00	16.41	4.50	5.05	5.00	4.42	7.30	58.79	" "

A. Also detected Corn Gluten Feed and Linseed Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Oakdale Cooperative Butter Association, Oakdale, Wis.	
*Buttermilk Powder	Baltimore
Geo. F. Obrecht Co., Baltimore, Md.	
‡Obrecht's 24% Dairy Feed	Baltimore
‡Obrecht's Laying Mash	Baltimore
‡Obrecht's Poultry Fattener	Baltimore
‡Obrecht's Scratch Feed	Baltimore
P. Fred'k. Obrecht & Son, Baltimore, Md.	
*‡"P.F.O." Laying Mash, with BM.	Baltimore
‡"P.F.O." Growing Mash	Baltimore
‡"P.F.O." Horse Feed, with Molasses 85% Grain	Baltimore
‡"P.F.O." Scratch	Baltimore
Otterdale Milling Co., Taneytown, Md.	
Pure Wheat Bran	Taneytown
Pure Wheat Middlings	Taneytown
Owings Brothers, York, Pa.	
June Bug 22% Dairy Feed	Jarrettsville
16% Dairy Feed	Jarrettsville
June Bug Laying Mash, with Cod Liver Oil	Jarrettsville
June Bug Pullet Feed	Jarrettsville
June Bug Baby Chick Starter, with Cod Liver Oil	Jarrettsville
June Bug Chick Feed	Jarrettsville
June Bug Scratch Feed	Jarrettsville
Owings Mills Distillery, Inc., Owings Mills, Md.	
§Owings Mills Feed	Hagerstown
Park & Pollard Co., Buffalo, N. Y.	
Park & Pollard 32% Mixing Ration	Walkersville
Manamar Dairy Mixing Ration	Walkersville
Doublex 24% Dairy Ration	Walkersville
Milkmaid 24% Sweetened Dairy Ration	Walkersville
Manamar Doublex 20% Dairy Feed	Walkersville
Milkmaid 20% Dairy Ration	Walkersville
Doublex 16% Dairy Ration	Walkersville
Bulky-Sweet Dairy Feed	Walkersville
Manamar Life Cycle Mash	Princess Anne
Manamar Life Cycle Mash	Walkersville
Lay or Bust Dry-Mash	Princess Anne
Lay or Bust Dry-Mash	Walkersville
Yankee Horse Feed	Walkersville
Go-Tu-It Pig and Hog Ration	Walkersville
Park & Pollard Starter and Broiler Mash	Walkersville
Park & Pollard Pelleted Scratch	Frederick
Bidwell Scratch Feed	Princess Anne
H. G. Payne, Snow Hill, Md.	
Payne's Laying Mash	Snow Hill

*Deficient in protein or fat.
‡Not licensed at time of sale.
§No information on bag at time of sampling.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
.....	32.00	30.71	5.00	x 5.02	.....	.....	9.80	.....	As declared on sack.
9.68	24.00	23.97	4.00	4.57	12.00	11.00	7.30	43.48	" "
9.53	20.00	20.01	4.00	5.57	9.00	7.31	10.85	46.73	" "
8.97	13.00	16.50	4.50	4.42	6.00	4.69	6.45	58.97	" "
10.01	9.00	10.00	2.50	3.21	5.00	3.32	1.60	71.86	" "
9.50	20.00	16.67	4.00	3.76	8.00	8.99	9.50	51.58	A.
9.77	18.00	19.04	3.50	4.15	8.00	10.40	8.90	47.74	B.
11.17	9.00	10.36	3.00	3.10	9.00	10.41	4.54	60.42	As declared on sack.
11.73	9.00	10.44	2.00	2.23	4.00	3.25	2.20	70.15	C.
8.57	14.00	14.65	3.50	3.33	10.00	10.34	6.25	56.86	As declared on sack.
9.23	15.00	15.36	3.50	4.29	5.00	3.97	3.00	64.15	" "
7.91	22.00	23.60	4.00	4.56	11.00	12.46	7.50	43.97	" "
9.92	16.00	17.80	3.00	3.62	12.00	10.23	10.87	47.56	" "
8.53	20.00	21.94	3.00	4.50	7.00	7.24	12.30	45.49	" "
9.10	10.00	10.62	2.50	4.29	4.00	3.11	2.85	70.03	D.
8.65	18.00	19.04	3.00	4.79	6.00	6.84	8.10	52.58	As declared on sack.
10.08	10.00	10.97	2.50	3.22	4.00	2.48	1.65	71.60	D.
10.55	9.00	10.09	2.50	2.45	4.00	3.13	1.50	72.28	As declared on sack.
8.41	17.00	17.64	7.50	8.16	13.00	12.40	2.10	51.29	" "
8.01	32.00	33.00	4.00	4.30	9.00	9.11	9.76	35.82	" "
8.46	26.00	25.26	4.00	3.95	9.00	10.68	9.81	41.84	" "
8.17	24.00	24.82	3.50	3.95	11.00	10.93	9.60	42.53	" "
8.43	24.00	26.56	4.00	4.56	10.00	9.51	8.33	42.61	" "
8.23	20.00	22.23	3.50	3.72	11.00	10.55	10.32	44.95	" "
9.36	20.00	21.85	4.00	4.01	10.00	9.01	8.19	47.58	" "
8.83	16.00	16.78	3.50	3.65	11.00	10.84	9.89	50.01	" "
9.71	11.00	12.72	2.50	2.14	12.00	11.63	6.60	57.20	" "
7.76	16.00	17.64	3.50	4.32	7.00	6.90	10.75	52.63	" "
8.50	16.00	18.16	3.50	4.49	7.00	7.05	10.05	51.75	" "
7.96	18.00	18.52	3.00	4.68	7.00	7.07	10.15	51.62	" "
8.82	18.00	18.87	3.00	4.41	7.00	7.04	9.30	51.56	" "
9.80	10.00	11.79	3.50	4.11	9.00	8.26	3.93	62.11	" "
8.82	15.00	17.90	3.50	3.92	8.00	7.79	10.25	51.32	" "
8.09	18.00	20.45	4.00	4.88	6.00	6.47	11.95	48.16	" "
9.74	12.00	14.13	3.00	4.67	6.00	6.19	5.80	59.47	" "
10.20	10.00	11.85	1.50	3.21	5.00	3.16	2.25	69.33	" "
8.19	19.00	20.62	4.50	5.03	7.00	7.34	15.30	43.52	" "

A. Unable to detect Corn Gluten Feed—also detected Soybean Oil Meal.
B. Unable to detect Peanut Meal—also detected Soybean Oil Meal and Fine Ground Oats.
C. Unable to detect Kaffir Corn, Buckwheat and Sunflower Seed—also detected Oats.
D. Ingredients on sack differ from license.
x. Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Pecos Valley Alfalfa Mill Co., Hagerman, N. M.	
Peevee Alfalfa Leaf Meal	Baltimore
‡Peevee Alfalfa Leaf Meal	Berlin
‡Alfalfa Meal	Salisbury
Penick & Ford Ltd., Inc., Cedar Rapids, Iowa	
Douglas Corn Gluten Feed	Chewsville
Penn Jersey Feed Mills, Philadelphia, Pa.	
‡Brewers Grains and Molasses	Centreville
‡Skimmilk	Centreville
Pillsbury Flour Mills Co., Minneapolis, Minn.	
Pillsbury's XX Daisy	Laurel
Pillsbury's Wheat Bran, with Ground Wheat Screenings not exceeding 8%	Hancock
Pillsbury's Hard Wheat Standard B. Middlings, with Ground Wheat Screenings N.Ex.M.R.	Ellicott City
Pittsburgh Melting Co., Pittsburgh, Pa.	
Steel City Meat and Bone Scrap	Grantsville
Steel City Meat and Bone Scrap	Grantsville
*‡Eureka Digester Tankage	Grantsville
Potomac Mills, Hancock, Md.	
Pure Wheat Bran	Hancock
†Pure Wheat Middlings	Hancock
Pratt Food Co., Buffalo, N. Y.	
Pratts 24% Dairy Feed	Chestertown
Utility Sweet 24% Dairy Feed	Ellicott City
*Pratts B-P Dairy Feed	Baltimore
*Pratts Sweet 20% Dairy Feed	Chestertown
*Pratts Sweet 16% Dairy Feed	Baltimore
Pratts Cak Cak Egg Mash, with BM., Fish, Meat, etc.	Ellicott City
Pratts Cak Cak Egg Mash, with BM., Fish, Meat, etc.	Baltimore
Pratts Laying Mash, with BM.	Baltimore
Pratts All Mash Laying Ration, with BM.	Ellicott City
Pratts Growing Mash, with BM.	Baltimore
Utility Growing Mash	Hagerstown
Utility Growing Mash	Ellicott City
Pratts Horse Feed, with Alfalfa	Baltimore
‡Oat Feed	Ellicott City
Pratts Sugared Hog Feed	Ellicott City
Pratts Fattening Mash, with BM.	Hagerstown
Utility Starter and Grower, with BM.	Ellicott City
Utility Starter and Grower, with BM.	Ellicott City
Pratts Baby Chick Food, with BM.	Bel Air
Pratts Utility Scratch Feed	Baltimore
Pratts Pigeon Feed No Corn	Baltimore
Pratts Rabbit Pellets, with BM	Baltimore
Pratts Complete Rabbit Pellets, with BM.	Baltimore

*Deficient in protein or fat.
‡Not licensed at time of sale.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.23	20.00	20.53	2.50	2.44	18.00	19.53	13.25	37.02	As declared on sack.
6.76	20.00	20.36	2.50	2.02	18.00	19.92	13.10	37.84	" "
6.41	13.00	14.39	1.50	1.59	33.00	31.22	10.40	35.99	" "
7.60	25.00	25.85	1.50	1.87	8.50	8.03	7.20	49.45	" "
11.00	18.00	20.57	4.00	4.96	15.00	12.05	5.62	45.80	" "
.....	32.00	33.87	.50	x .91	.....	.....	8.30	.....	" "
10.01	16.00	17.99	4.00	4.19	4.00	3.62	3.30	60.89	" "
10.11	14.50	17.72	3.50	4.54	10.00	9.39	7.20	51.04	" "
9.83	15.00	17.11	4.00	4.95	9.50	7.98	5.00	55.13	" "
5.77	50.00	52.39	5.00	8.55	3.00	1.65	30.60	1.04	" "
6.21	50.00	51.07	5.00	9.44	3.00	2.00	30.35	.93	" "
6.14	60.00	58.80	5.00	6.82	3.00	2.08	23.05	3.11	" "
9.25	14.00	13.86	3.50	3.02	10.00	5.66	3.85	64.36	" "
8.61	14.00	11.14	3.50	1.58	6.00	1.11	1.00	76.56	" "
6.87	24.00	25.18	4.00	4.27	9.00	9.09	8.75	45.84	" "
9.61	24.00	24.70	3.50	3.78	10.00	8.14	8.63	45.14	" "
9.71	21.00	21.46	4.00	3.33	10.00	7.85	8.45	49.20	" "
8.78	20.00	21.35	4.00	3.48	12.00	12.11	8.06	46.22	" "
9.81	16.00	19.62	3.50	2.98	12.00	12.32	7.71	47.56	" "
8.65	18.00	19.39	4.00	4.23	8.00	7.19	7.30	53.24	" "
9.35	18.00	18.08	4.00	4.24	8.00	7.82	6.70	53.81	" "
9.31	20.00	21.32	4.50	5.23	6.75	6.74	9.35	48.05	" "
8.38	16.50	17.38	4.50	4.70	7.00	5.75	9.70	54.09	" "
8.68	17.50	18.25	4.00	5.28	6.00	5.53	10.20	52.06	" "
9.75	16.00	18.25	4.00	5.11	6.00	5.90	8.15	52.84	A.
9.53	16.00	17.90	4.00	4.42	6.00	5.51	8.60	54.04	As declared on sack.
10.21	9.00	11.74	2.50	2.88	14.00	14.76	5.51	54.90	" "
7.42	5.00	6.49	1.50	2.29	30.00	29.61	6.60	47.59	" "
9.52	17.00	19.54	4.50	4.23	10.00	7.50	7.95	51.26	" "
10.92	14.00	15.53	4.50	4.47	5.00	4.63	5.30	59.15	" "
10.42	16.00	18.78	3.50	3.68	6.50	5.28	7.05	54.79	" "
7.62	16.00	18.95	3.50	3.95	6.50	5.13	8.10	56.25	" "
8.27	16.00	17.90	3.50	5.30	4.00	5.18	7.55	55.80	" "
12.23	10.00	10.62	2.00	3.17	4.00	2.75	1.80	69.43	" "
10.71	12.00	13.69	2.00	2.74	4.00	4.02	2.40	66.44	" "
9.72	14.00	16.85	3.00	3.65	10.00	7.73	6.65	55.40	" "
9.16	14.00	14.74	2.00	2.91	20.00	20.07	7.85	45.27	" "

A. Ingredients on sack differ from license.
x. Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Princess Anne Milling Co., Princess Anne, Md.	
Pure Wheat Bran	Princess Anne
†Pure Wheat Middlings	Princess Anne
Quaker City Flour Mills Co., Philadelphia, Pa.	
Quaker City Winter Wheat Bran, with Ground Screenings N.Ex.M.R.	Princess Anne
Quaker City Winter Wheat Middlings, with Ground Screenings N.Ex.M.R.	Princess Anne
Quaker Oats Co., Chicago, Ill.	
Quaker 20% Protein Dairy Ration	Baltimore
Quaker 16% Protein Dairy Ration	Baltimore
Quaker 16% Protein Dairy Ration	Mt. Lake Park
Quaker Ful-O-Pep Egg Mash	Mt. Lake Park
Quaker Ful-O-Pep Egg Mash	Baltimore
Big Egg Laying Mash	Owings Mills
Quaker Ful-O-Pep Growing Mash	Owings Mills
Quaker Ful-O-Pep Developer	Baltimore
Quaker Ful-O-Pep Broiler Mash	Baltimore
Quaker Green Cross Horse Feed	Baltimore
Quaker Sugared Schumacher Feed	Grantsville
Oat Mill Feed, with Molasses	Baltimore
Quaker Pig-N-Hog Feed	Grantsville
Quaker Ful-O-Pep Chick Starter	Baltimore
Quaker Ful-O-Pep Fine Chick Feed	Baltimore
Quaker Ful-O-Pep Coarse Chick Feed	Baltimore
Big Egg Scratch Grains	Owings Mills
Quaker Ful-O-Pep Scratch Grains	Baltimore
Quaker Ful-O-Pep Turkey Starter	Baltimore
Queen Anne Roller Mill, Queen Anne, Md.	
*Queen Anne Poultry Mash	Queen Anne
*Pure Wheat Bran	Queen Anne
Pure Wheat Middlings	Queen Anne
Ralston Purina Co., St. Louis, Mo.	
Purina Milking Cow Chow (34%)	Baltimore
Purina Milking Cow Chow (24%)	Baltimore
Protena 20% Dairy Feed	Hyattsville
Purina Milking Cow Chow (20%)	Towson
Protena 16% Dairy Feed (Buffalo Mill)	Myersville
Purina Milking Cow Chow (16%)	Towson
Purina Dry and Freshing Cow Chow	Hyattsville
Purina Lay Chow	Annapolis
Purina Layena (Complete Ration)	Woodbine
Purina Egg Chowder	Baltimore
Purina Hen Chow	Hyattsville
Purina Bulky Las Chow (Buffalo Mill)	Baltimore
Purina Omolene	Baltimore
Purina Bulky Omolene	Hyattsville
Purina Steer Fatena (Buffalo Mill)	Towson
Purina Steer Fatena (Buffalo Mill)	Taneytown

*Deficient in protein or fat.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.35	14.00	13.34	3.50	3.70	9.00	8.96	5.70	60.95	As declared on sack.
10.85	13.00	11.41	3.50	2.48	10.00	2.66	2.25	70.35	" "
8.21	13.00	14.39	3.00	3.77	10.50	10.71	6.20	56.72	" "
9.23	14.00	15.09	4.00	5.31	5.50	4.93	3.80	61.64	" "
9.65	20.00	21.30	3.00	3.63	12.00	11.76	8.01	45.65	" "
9.26	16.00	16.00	3.00	3.01	13.50	13.41	8.37	49.95	" "
7.98	16.00	17.02	3.00	2.82	13.50	12.27	8.35	51.56	" "
7.79	20.00	19.92	4.50	6.13	8.00	7.29	7.51	51.36	" "
9.07	20.00	20.04	4.50	5.75	8.00	7.81	8.37	48.96	" "
8.01	18.00	18.63	4.00	4.79	8.00	7.86	6.71	54.00	" "
8.66	19.00	19.13	5.00	5.82	6.00	7.04	6.61	52.74	" "
9.37	15.00	15.88	5.00	5.09	9.00	7.58	5.62	56.46	" "
9.03	19.00	19.63	5.00	5.16	9.00	6.55	6.37	53.26	" "
10.85	10.00	11.45	2.50	2.73	12.00	10.43	5.38	59.16	" "
7.13	10.00	10.72	3.00	3.59	12.00	9.76	7.37	61.43	" "
9.66	5.00	6.09	1.50	1.53	28.00	24.27	6.48	51.97	" "
8.01	16.00	17.53	3.50	4.29	10.00	9.18	9.75	51.24	" "
9.14	17.00	17.40	5.00	5.92	7.00	6.35	5.94	55.25	" "
9.84	11.00	10.97	2.50	2.48	2.00	2.05	1.85	72.81	" "
11.34	10.00	10.44	2.00	2.75	2.50	2.37	2.25	70.85	" "
10.43	9.50	11.14	2.00	3.35	3.50	3.46	1.40	70.22	" "
11.31	9.00	10.35	2.00	3.12	3.00	2.22	1.90	71.10	" "
8.24	26.00	26.04	5.00	5.97	7.00	5.69	10.19	43.87	" "
9.03	19.00	17.99	5.00	5.84	7.00	7.09	8.80	51.25	A.
7.83	14.00	12.99	3.00	3.63	9.00	8.71	5.45	61.39	As declared on sack.
11.13	13.00	12.29	3.00	3.19	6.00	2.31	2.05	69.03	" "
9.65	34.00	34.00	3.50	5.03	12.00	9.31	8.12	33.89	" "
8.97	24.00	24.06	4.00	4.63	12.00	11.72	7.64	42.98	" "
9.14	20.00	20.66	3.50	4.55	12.00	9.62	8.87	47.16	" "
9.94	20.00	21.66	4.00	3.99	12.00	8.98	7.37	48.06	" "
11.70	16.00	16.80	3.50	3.79	14.00	6.92	10.80	49.99	" "
10.39	16.00	17.35	3.50	3.18	12.00	9.71	7.43	51.94	" "
9.43	12.50	14.80	2.50	2.72	14.00	11.94	9.39	51.72	" "
8.22	19.00	19.66	3.50	5.72	8.00	6.78	11.40	48.22	" "
9.13	15.50	16.85	3.50	4.97	8.00	4.86	10.30	53.89	" "
9.15	19.00	19.48	3.50	5.96	8.00	7.51	11.35	46.55	" "
11.53	10.00	11.14	2.50	2.58	4.00	2.50	1.40	70.85	" "
10.44	9.00	11.67	1.30	2.38	15.00	11.23	9.32	54.96	" "
9.74	10.00	12.30	3.20	4.01	11.00	8.63	4.08	61.24	" "
10.53	10.00	12.11	3.20	3.92	11.00	8.86	5.22	59.36	" "
10.80	12.00	15.15	2.00	4.33	10.00	7.99	8.18	53.55	" "
10.47	12.00	17.90	2.00	5.40	10.00	9.84	9.28	47.11	" "

A. Also detected Chopped Hay.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Ralston Purina Co., St. Louis, Mo., (Continued)	
Purina Hog Fatena	Annapolis
Purina Pig and Hog Chow	Baltimore
Purina Calf Starting Chow	Lutherville
Purina Chicken Fat Chow	Taneytown
Purina Chicken Fatena	Taneytown
Purina Chick Growena	Baltimore
Purina Chick Startena	Baltimore
Corn Feed Meal	Annapolis
Purina Broiler Chow	Baltimore
Purina Broiler Chow	Hyattsville
Purina Chick Chow (Fine)	Towson
Protena Scratch Feed	Annapolis
Purina Rabbit Chow (Complete Ration) (Buffalo Mill)	Baltimore
Purina Rabbit Chow (Complete Ration) (Buffalo Mill)	Hyattsville
Reindollar Co., Taneytown, Md.	
*20% Dairy Ration	Taneytown
16% Sweet Dairy Feed	Taneytown
32%Hi-Concentrate	Taneytown
Egg Mash, with Cod Liver Oil	Taneytown
Egg Mash	Taneytown
Growing Mash	Taneytown
Horse Feed	Taneytown
Pig and Hog Meal	Taneytown
Pure Winter Wheat Bran	Taneytown
Winter Wheat Middlings, with M.R.S.	Taneytown
Starting Mash	Taneytown
Scratch Grains	Taneytown
Richards Milling Co., Cortland, Ohio	
*Richards Cash Dairy Feed	Friendsville
*Richards 16% Dairy Feed	Cumberland
Richards Cash Laying Mash	Cumberland
Richards Thrift Growing Mash	Cumberland
‡Richards Horse Feed	Cumberland
Richards Special Chop	Cumberland
Richards Hog Meal	Cumberland
Fancy Winter Wheat Middlings	Cumberland
Richards Starting Mash	Cumberland
‡Richards Crate Fattener	Cumberland
Richards Thrift Baby Chick Feed	Cumberland
‡Richards Mixed Grains For Poultry (Intermediate Size)	Friendsville
*‡Richards Turkey Starting and Growing Mash	Friendsville
Richardson Brothers, Westminster, Md.	
Richbro Walck Laying Mash	Westminster
Richbro Growing Mash	Westminster
Richbro Hog and Pig Meal	Westminster
Richbro Baby Chick Starter	Westminster
Daniel Rider, Inc., Baltimore, Md.	
‡Winner 20% Dairy Feed	Baltimore

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.64	14.00	16.43	3.00	3.69	7.00	5.68	6.15	58.41	As declared on sack.
8.41	36.00	36.43	3.00	4.31	14.00	10.28	11.94	28.63	" "
7.13	27.00	27.82	3.20	4.31	5.00	3.96	5.90	50.88	" "
8.69	15.50	16.50	3.00	4.34	5.00	5.68	4.50	60.29	" "
7.99	14.00	17.02	4.00	5.03	7.50	7.05	4.00	58.91	" "
10.64	15.00	16.50	3.50	4.62	7.00	6.81	6.60	54.83	" "
9.41	18.00	20.53	4.00	5.89	7.00	5.75	7.15	51.27	" "
10.71	8.50	8.51	3.00	4.07	5.00	2.35	1.70	72.66	" "
8.54	18.00	20.62	4.00	5.57	7.00	6.17	7.65	51.45	" "
9.29	18.00	20.80	4.00	5.69	7.00	6.69	6.75	50.78	" "
8.89	10.00	12.46	2.00	3.44	4.00	2.58	2.20	70.43	" "
10.77	9.50	10.88	2.00	2.49	4.00	2.84	2.70	70.32	" "
9.74	13.50	16.00	2.50	3.05	16.00	11.12	6.82	53.27	" "
10.71	13.50	16.09	2.50	3.89	16.00	10.35	6.49	52.47	" "
7.87	20.00	21.67	4.00	3.44	12.50	9.91	7.40	49.71	" "
9.89	16.00	16.49	3.00	2.93	11.00	13.58	6.53	50.58	" "
7.73	32.00	32.03	4.00	3.87	12.00	11.75	7.30	37.32	A.
9.83	18.00	18.87	4.50	5.35	8.00	6.38	9.95	49.62	As declared on sack.
8.95	20.00	20.62	4.00	4.74	8.00	7.69	11.10	46.90	" "
10.31	16.50	17.11	4.50	5.16	7.00	5.46	10.00	51.96	" "
9.86	8.50	9.36	2.50	2.90	10.00	9.95	4.83	63.10	" "
7.68	16.50	17.02	4.50	4.36	7.00	6.84	9.85	54.25	" "
8.19	14.00	14.30	4.00	3.78	9.00	10.47	6.25	57.01	" "
9.01	16.00	15.80	4.50	4.08	5.00	5.21	2.90	63.00	" "
8.03	16.00	17.38	4.50	5.23	6.00	4.78	8.80	55.78	" "
9.68	9.00	9.65	2.00	3.09	5.00	2.97	1.75	72.86	" "
10.21	24.00	22.52	4.50	4.34	10.00	6.86	5.50	50.57	As declared on sack.
7.45	16.00	16.28	4.00	3.34	12.00	16.24	8.80	47.89	F.
8.06	20.00	21.76	3.00	4.96	6.90	8.09	7.40	49.73	As declared on sack.
10.16	18.00	18.87	3.00	4.16	8.00	7.89	8.85	50.07	" "
10.62	9.00	9.83	3.00	3.76	10.00	6.72	5.75	63.32	A.
7.21	8.00	10.35	3.00	5.53	12.00	12.72	6.70	57.49	As declared on sack.
8.18	16.00	17.11	4.00	5.09	8.00	8.34	5.50	55.78	C.
9.01	15.00	14.74	3.00	3.11	10.00	3.54	2.60	67.00	As declared on sack.
9.89	18.00	19.92	3.00	5.30	7.50	5.69	8.85	50.35	" "
9.68	12.50	17.99	4.50	4.51	6.00	6.55	10.90	50.37	D.
10.77	9.00	11.50	2.50	3.23	6.00	2.24	2.35	69.91	As declared on sack.
12.07	9.00	10.53	2.50	2.94	6.00	2.19	1.90	70.37	" "
9.56	20.00	18.87	4.00	4.52	8.00	7.63	9.50	49.92	" "
8.58	20.00	21.15	5.00	5.24	9.00	7.32	11.00	46.71	" "
10.30	16.00	16.85	4.50	4.46	4.50	5.07	7.90	55.42	" "
10.01	15.00	16.06	5.00	4.62	7.00	6.53	6.70	56.08	" "
10.06	12.50	12.90	4.00	3.79	3.25	5.54	6.90	60.81	" "
9.88	20.00	21.93	4.00	4.33	11.00	9.56	3.99	50.31	E.

A. Ingredients on sack differ from license.
C. Also detected Corn Gluten.
D. Also detected Wheat Middlings, Alfalfa Leaf Meal and Corn Gluten Meal.
E. Also detected Colza Oil Meal.
F. Unable to detect Linseed Oil Meal, Soybean Oil Meal, Wheat Middlings.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Daniel Rider, Inc., Baltimore, Md., (Continued)	
Winner 16% Dairy Feed	Baltimore
Winner Horse Feed	Baltimore
Rinamaon & Brown, Hampstead, Md.	
Brown's Egg Mash	Hampstead
Brown's Chick Starter	Hampstead
Roanoke City Flour Mills, Inc., Roanoke, Va.	
Big Boss Pure Wheat Bran	Westminster
Allfat Pure Wheat Middlings	Westminster
Robinson Brothers, Cardiff, Md.	
Robinson's 32% Dairy Ration	Cardiff
*Robinson's 24% Dairy Ration	Cardiff
*Robinson's 20% Dairy Ration	Cardiff
Robinson's Laying Mash	Cardiff
Rodney Milling Co., Kansas City, Mo.	
‡Heart of America Pure Wheat Bran	Derwood
W. D. Roe & Son, Sudlersville, Md.	
Roe's Lay More Mash	Sudlersville
Roe's Starting and Growing Mash	Sudlersville
C. E. Routzahn Co., Breathedsville, Md.	
§Dairy Feed	Breathedsville
§Laying Mash	Breathedsville
§Hog Feed	Breathedsville
Pure Wheat Bran	Breathedsville
*Pure Wheat Middlings	Breathedsville
§Starter and Grower	Breathedsville
St. Michaels Milling Co., St. Michaels, Md.	
Quillin's Laying Mash	St. Michaels
*Pure Wheat Bran	St. Michaels
*Wheat Flour Middlings	St. Michaels
Quillin's Scratch Feed	St. Michaels
Saunders Mills, Inc., Toledo, Ohio	
Velvet Leaf Brand Alfalfa Meal	Baltimore
*‡Dehydrated Alfalfa Meal	Baltimore
‡Alfalfa Meal	Baltimore
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	
Esskay Quality Meat and Bone Scrap	Keymar
Esskay Quality Meat and Bone Scrap	Chewsville
Esskay Quality Poultry Bone	Baltimore
Esskay Quality Digester Tankage	Baltimore
Schminke Milling Co., Nebraska City, Neb.	
‡Pure Winter Wheat Bran	Frederick

*Deficient in protein or fat.
‡Not licensed at time of sale.
§No information on bag at time of sampling.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.04	16.00	17.22	3.00	3.33	11.00	12.87	6.99	49.55	F.
9.70	9.00	9.94	2.00	3.59	9.00	8.56	3.43	64.78	B.
8.21	18.00	21.24	4.00	4.66	6.00	6.69	7.15	52.05	As declared on sack.
10.42	18.00	18.25	4.00	4.68	6.00	5.30	7.15	54.20	" "
10.17	15.10	14.74	4.00	4.26	9.50	9.53	6.55	54.75	" " A.
8.17	16.10	16.85	4.70	5.61	7.60	6.21	4.20	58.96	" "
9.70	32.00	31.95	5.00	5.04	9.50	9.32	7.81	36.18	" "
9.84	24.00	24.78	5.00	4.31	10.00	10.48	8.19	42.40	" "
11.19	20.00	20.48	4.50	3.86	10.00	10.08	6.45	47.94	" "
8.87	18.50	18.16	4.00	4.17	7.00	6.02	8.10	54.68	" "
9.21	16.50	17.02	3.00	4.36	10.00	10.63	7.70	51.08	" "
9.47	18.00	17.55	4.75	5.19	9.25	9.23	9.10	49.46	" "
9.24	17.50	17.99	4.00	4.38	5.25	4.91	7.20	56.28	" "
8.73	16.00	16.32	3.00	5.15	8.00	7.17	5.60	57.03	C.
9.06	16.00	16.32	4.00	3.65	7.00	6.82	14.10	50.05	A.
10.16	17.00	17.11	4.00	3.82	5.00	4.12	7.85	56.94	As declared on sack.
8.77	15.00	16.50	4.00	3.58	8.00	9.06	5.45	56.64	" "
10.83	15.00	13.60	3.00	2.88	3.00	2.18	1.90	68.61	" "
9.85	15.00	15.36	4.00	3.56	6.00	6.84	10.70	53.69	" "
7.65	20.00	19.48	5.00	5.19	7.00	6.80	10.40	50.48	D.
8.13	14.00	12.90	4.00	3.89	11.00	11.05	7.10	56.93	As declared on sack.
9.51	14.00	12.81	4.00	3.67	6.00	4.47	2.95	66.59	" "
10.97	9.00	10.09	3.00	2.83	4.00	3.50	1.50	71.11	" "
8.05	20.00	19.92	1.50	1.98	18.00	17.13	15.90	37.02	" "
7.08	17.00	15.45	1.50	1.46	23.00	27.37	9.30	39.34	" "
7.46	13.00	13.16	1.50	1.48	33.00	34.04	7.30	36.56	" "
5.03	50.00	49.93	6.00	9.13	5.00	1.30	34.00	.61	" "
5.02	50.00	50.11	6.00	8.18	5.00	1.61	33.70	1.38	" "
5.99	20.00	23.78	2.00	5.20	5.00	.03	64.30	.70	" "
5.61	60.00	65.03	8.00	6.37	5.00	1.37	21.40	.22	" "
9.65	14.00	18.60	3.50	4.41	.....	9.02	7.20	51.12	E.G.

A. Protein guarantee on sack differs from license.
B. Ingredients on sack differ from license.
C. Fat and Fibre guarantee on sack differ from license.
D. Also detected Ground Oyster Shell.
E. Detected 2.20% Screenings present.
F. Unable to detect Linseed Oil Meal also detected Cotton Seed Oil Meal.
G. Fibre guarantee not shown on tag.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Sea Board Supply Co., Inc., Philadelphia, Pa.	
S.B.S. Fish Meal	Linwood
S.B.S. Fish Meal	Linwood
S.B.S. Fish Meal	Frederick
*‡Crab Meal	Breathedsville
Charles H. Seward, Raspeburg, Md.	
Golden Glow Laying Mash	Raspeburg
Golden Glow Growing Mash	Raspeburg
‡Golden Glow Starting Mash	Raspeburg
Sewards Superior Scratch Grains	Raspeburg
B. F. Sheesley & Son, Harrisburg, Pa.	
Sheesley's Pure Col-Seed Oil Meal	Gaithersburg
Sherwood Distillery Co., Westminster, Md.	
‡§ Distillers Rye Dried Grains	Thurmont
Sherwin-Williams Co., Cleveland, Ohio	
‡Sherwin Williams Pure O. P. 32% Linseed Meal	Hagerstown
Howard R. Shockley, Goldsboro, Md.	
Goldsboro Home Mixed Mash	Goldsboro
M. L. Shoemaker & Co., Inc., Philadelphia, Pa.	
Shoemaker's Swift-Sure" Meat and Bone Scrap	Pocomoke City
Sinton Brothers & Co., Baltimore, Md.	
*Guilford Dairy Feed	Baltimore
*Guilford Laying Mash	Baltimore
"Guilford" Scratch Feed	Baltimore
D. P. Smelser & Son, New Windsor, Md.	
Winter Wheat Bran	New Windsor
Pure Wheat Middlings	New Windsor
H. Ray Smith, Doubs, Md.	
Lo-Cost Laying Mash	Doubs
Lo-Cost Growing Mash	Doubs
Lo-Cost Chick Starter	Doubs
Southern Cotton Oil Co., New Orleans, La.	
Sco-Co Brand 41% Prime Quality Cottonseed Meal	Linwood
Southern States Cooperative Mills, Inc., Baltimore. Md.	
32% Supplemental Dairy Feed	Baltimore
32% Supplemental Dairy Feed	Mt. Airy
Baltimore Special 24% Dairy	Baltimore
Baltimore Special 24% Dairy	Mt. Airy
Milk Maker	Baltimore
Milk Maker	Mt. Airy
Exchange Dairy	Baltimore
20% Dairy	Baltimore
18% Dairy	Baltimore

*Deficient in protein or fat.
‡Not licensed at time of sale.
§Required guaranteed analysis not shown on tags.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.79	55.00	57.74	5.00	5.76	3.00	1.34	22.60	4.77	As declared on sack.
7.27	55.00	58.44	5.00	8.03	3.00	.68	19.45	6.13	" "
6.76	55.00	58.62	5.00	5.56	3.00	1.94	23.90	3.22	" "
6.19	31.00	26.72	1.00	1.36	8.00	11.84	54.40	.....	" "
9.21	20.00	21.67	5.00	5.10	7.00	5.71	10.60	47.71	" "
9.31	16.00	17.64	5.00	4.51	7.00	6.65	9.35	52.54	" "
8.79	15.00	17.20	5.00	5.03	5.00	4.45	7.15	57.38	" "
12.01	10.00	9.30	2.50	3.31	5.00	2.86	1.35	71.17	" "
8.48	34.00	33.52	8.00	9.02	10.00	10.01	5.70	33.27	" " A.
6.76	15.00	15.05	7.00	8.06	19.00	18.76	1.00	50.37	" "
8.13	32.00	33.87	4.50	5.17	9.00	7.99	6.50	38.34	" " B.
8.09	19.00	20.53	5.00	5.28	8.00	8.32	8.40	49.38	" "
5.84	45.00	45.46	6.00	9.71	3.00	2.08	35.60	1.31	" "
8.01	16.00	16.36	5.50	4.68	14.00	14.93	4.84	51.18	" "
8.95	20.00	20.36	5.00	4.42	7.00	8.91	11.35	46.01	" "
11.91	9.00	9.65	2.50	2.69	4.00	2.37	1.65	71.73	" "
8.43	15.41	14.65	4.30	3.99	9.08	9.98	6.30	56.65	" "
9.09	15.40	15.80	3.45	4.68	3.78	4.61	3.15	62.67	" "
9.38	16.50	17.29	4.50	4.45	7.00	7.49	8.40	52.99	" "
10.38	16.50	18.08	4.00	5.12	7.00	7.32	9.55	49.55	" "
10.37	15.00	17.99	5.00	4.62	5.50	5.26	8.50	53.26	" "
6.53	41.00	40.64	5.00	6.66	13.00	9.81	6.45	29.91	" "
10.26	32.00	32.24	4.00	5.61	10.00	10.01	8.50	33.38	" "
9.19	32.00	32.05	4.00	5.12	10.00	9.97	7.95	35.72	" "
9.49	24.00	24.05	3.00	4.44	12.00	11.88	7.92	42.22	" "
9.00	24.00	25.98	3.00	4.43	12.00	11.29	7.72	41.58	" "
9.88	24.00	24.78	4.00	4.49	10.00	8.21	7.47	45.17	" "
9.13	24.00	26.66	4.00	4.28	8.50	7.53	7.61	44.79	" "
9.21	20.00	21.62	4.00	4.32	10.00	7.31	7.95	49.59	" "
9.76	20.00	21.10	3.00	4.20	12.00	11.50	7.71	45.74	" "
9.28	18.00	24.05	3.00	3.64	12.00	11.50	7.99	43.54	" "

A. Fat guarantee on sack differs from license.
B. Acid Insoluble Ash 0.76%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
Southern States Cooperative Mills, Inc., Balto., Md., (Continued)		
16% Dairy	Baltimore	9.54
16% Dairy	Mt. Airy	10.91
Fitting Ration	Baltimore	9.84
Laying Mash, with Alfalfa Meal	Baltimore	8.48
Laying Mash, with Alfalfa Meal	Laurel	8.43
Market Laying Mash	Baltimore	8.95
Market Laying Mash	Laurel	11.10
Thrift Laying Mash	Mt. Airy	10.73
Thrift Mash	Baltimore	9.04
Special Laying and Breeding Mash	Baltimore	8.08
Special Laying and Breeding Mash	Mt. Airy	8.71
Super Laying Mash	Baltimore	8.17
Super Laying and Breeding Mash	Baltimore	9.02
Super Laying and Breeding Mash	Mt. Airy	10.57
Growing Mash	Baltimore	9.13
Growing Mash, with Milk	Baltimore	7.48
Starting and Growing Mash	Baltimore	9.23
Starting and Growing Mash	Westminster	9.00
Horse Feed	Baltimore	9.65
Hog Feed	Baltimore	9.71
Calf Meal	Baltimore	8.08
Wheat Flour Middlings, with Ground Screenings N.Ex.M.R.	Annapolis	9.89
Fancy Yellow Corn Meal	Baltimore	11.31
Chick and Broiler Mash	Westminster	9.33
Chick and Broiler Mash	Baltimore	8.69
Intermediate Scratch	Baltimore	9.18
Super Coarse Scratch	Baltimore	10.45
50-50 Coarse Scratch	Baltimore	10.32
Turkey Starting Mash	Hagerstown	8.81
Southwestern Milling Division of Standard Milling Co., Kansas City, Mo.		
Red Turkey Pure Wheat Bran	Providence	8.56
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.		
Kellogg's 41% Protein O. P. Soybean Oil Meal	Baltimore	7.8
Springfield Roller Mills, Sykesville, Md.		
Hering's Dairy Feed 16%	Sykesville	9.2
*Hering's Laying Mash	Sykesville	11.7
Hering's Growing Mash	Sykesville	9.7
Hering's Pig Meal	Sykesville	9.4
Pure Wheat Bran	Sykesville	10.1
Pure Wheat Middlings	Sykesville	10.6
Hering's Chick Starter	Sykesville	10.9
Hering's Scratch Feed	Sykesville	10.9
A. E. Staley Manufacturing Co., Decatur, Ill.		
Staley's Corn Gluten Feed	Hagerstown	8.1
John T. Stanley Co., Inc., New York, N. Y.		
‡Stanley's Meat and Bone Scrap	Cumberland	5.6

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.54	16.00	18.56	3.50	3.51	12.00	11.19	8.10	49.10	As declared on sack.
10.91	16.00	19.17	3.50	3.55	12.00	10.98	7.94	47.45	" "
9.84	13.00	16.54	3.00	4.54	8.50	7.10	6.44	55.54	" "
8.48	20.00	21.59	4.00	5.93	7.00	6.58	11.30	46.12	" "
8.43	20.00	20.71	4.00	5.50	7.00	6.48	10.30	48.58	" "
8.95	20.00	20.01	4.00	5.34	7.00	5.27	10.65	49.78	" "
11.10	20.00	20.53	4.00	5.16	7.00	5.18	10.55	47.48	" "
10.73	19.00	20.18	4.00	5.18	6.00	5.87	9.60	48.44	" "
9.04	20.00	20.36	4.00	5.49	7.00	5.07	10.85	49.19	" "
8.08	19.50	20.09	4.00	5.16	7.00	5.69	11.50	49.48	" "
8.71	19.50	20.12	4.00	5.09	7.00	6.51	10.54	49.03	" "
8.17	19.50	20.27	4.00	5.36	7.00	5.65	11.10	49.45	" "
9.02	19.50	20.36	4.00	5.21	7.00	5.73	10.30	49.38	" "
10.57	19.50	19.66	4.00	5.00	7.00	5.56	9.95	49.26	" "
9.13	17.50	18.87	4.00	5.05	7.50	6.21	7.85	52.89	" "
7.48	17.50	19.39	4.00	5.09	7.50	6.31	7.60	54.13	" "
9.23	17.50	18.60	4.00	4.55	6.50	5.92	7.50	54.20	" "
9.00	17.50	18.16	4.00	4.88	6.50	5.72	9.70	52.54	" "
9.65	9.00	10.24	3.50	4.34	9.00	6.17	4.01	65.59	" "
9.71	14.00	15.53	3.50	5.24	6.00	5.00	6.40	58.12	" "
8.08	19.00	20.71	4.00	4.03	4.50	3.41	5.55	58.22	" "
9.89	15.00	16.94	4.00	3.99	6.00	4.98	3.90	60.30	" "
11.31	9.00	10.18	3.00	4.58	3.00	2.21	2.00	69.72	" "
9.33	17.50	18.69	4.00	5.37	6.50	4.89	9.90	51.82	" "
8.69	17.50	18.60	4.00	4.88	6.50	6.44	8.75	52.64	" "
9.18	10.00	10.53	2.00	5.71	3.00	2.37	2.35	69.86	" "
10.45	10.00	10.00	2.00	2.42	3.00	1.70	1.45	73.98	" "
10.32	10.00	10.00	2.00	3.21	3.00	2.03	1.30	73.14	" "
8.81	24.00	23.43	4.00	5.26	7.00	4.99	11.15	46.36	
8.56	15.00	16.76	3.50	4.39	10.00	9.73	7.55	53.01	" "
7.81	41.00	44.93	4.50	4.86	7.00	6.03	7.00	29.37	" "
9.29	16.00	16.04	3.50	3.72	9.50	6.89	7.05	57.01	" "
11.76	20.00	20.06	5.00	4.08	7.00	5.91	10.17	48.02	" "
9.71	18.00	19.07	4.00	4.50	7.00	6.27	9.03	51.42	A.
9.40	18.00	18.84	3.50	4.22	5.00	5.98	7.25	54.31	As declared on sack.
10.17	14.00	13.34	3.00	3.83	9.00	8.59	5.75	58.32	" "
10.66	12.00	12.55	3.00	3.91	4.00	3.03	2.70	67.15	" "
10.93	17.00	16.97	4.50	4.49	5.50	4.43	7.30	55.88	" "
10.96	9.00	10.18	2.50	3.13	5.00	3.74	1.75	70.24	
8.18	25.00	27.38	1.00	1.35	8.00	7.71	13.20	42.18	" "
5.63	45.00	44.32	10.00	10.77	3.00	2.79	31.20	5.29	" "

A. Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
W. E. Stanton, Grantsville, Md.	
Stanton's Egg Mash	Grantsville
Corn and Oats Chop	Grantsville
Stanton's Scratch Grains	Grantsville
Star Food & Remedy Co., Inc., Washington, D. C.	
Star Laying Mash, with Milk	Beltsville
Star Calf "A"	Rockville
Star Scratch Feed	Beltsville
‡Star High Grade Pigeon Feed	Bethesda
Star Milling Co., Inc., Hampstead, Md.	
‡Pure Winter Wheat Bran	Taneytown
*Winter Wheat Middlings, with M.R.S.	Taneytown
‡Winter Wheat Middlings, with M.R.S.	Taneytown
E. Steen & Brother Co., Baltimore, Md.	
Little Boy Blue Dairy Feed	Baltimore
Blue Bird Laying Mash	Baltimore
Golden Goose Laying Mash, with BM.	Baltimore
Arundel Hog Grower	Baltimore
Golden Goose Corn Meal	Baltimore
Golden Goose Scratch Feed	Baltimore
Sweetened Grain Blowings	Baltimore
D. A. Stickell & Sons, Inc., Hagerstown, Md.	
Su-Pur Sweet 32% Mixing Ration	Providence
Su-Pur Sweet 32% Mixing Ration	Manchester
Magnolia Sweet 24% Dairy Feed	Providence
Magnolia Sweet 24% Dairy Feed	Manchester
Dairy Queen Sweet 20% Milk Maker	Forest Hill
Dairy Queen Sweet 20% Milk Maker	Manchester
Snap Sweet 20% Dairy Feed	Providence
Zip Sweet 16% Dairy Feed	Providence
Blue Ridge Egg Mash	Forest Hill
Blue Ridge Egg Mash	White Hall
Blue Ridge Egg Mash	Reid
Su-Pur Growing Mash	Manchester
Su-Pur All Mash Starter	Forest Hill
Su-Pur All Mash Starter	Reid
Stickell's Poultry Fatner	White Hall
‡Blue Ridge Broiler Mash	Glyndon
Blue Ridge Pig and Hog Ration	Trego
*‡Mixed Wheat Feed	Salisbury
Victor Chick Feed	Chewsville
Victor Scratch Grains	Forest Hill
F. W. Stock & Sons, Hillsdale, Mich.	
Stock's Bran	Keymar
Chas. M. Struven Co., Baltimore, Md.	
Struven's Fish Meal	Taneytown
Struven's Fish Meal	Hagerstown

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.70	20.00	19.66	4.00	5.33	8.00	6.01	9.60	49.70	A.
11.07	10.00	10.27	3.00	4.42	8.00	5.72	2.70	65.82	As declared on sack.
10.68	10.00	11.76	2.50	2.34	5.00	3.37	1.75	70.10	" "
10.66	20.00	22.11	4.50	5.40	7.00	6.33	11.00	44.50	" "
9.76	24.00	27.73	4.50	5.47	6.50	8.28	7.15	41.61	A.
10.54	10.00	10.79	2.50	3.24	5.00	2.48	1.35	71.00	As declared on sack.
10.69	12.00	13.69	3.00	4.16	4.00	4.37	1.85	65.24	" "
8.43	14.00	13.98	4.00	4.49	10.50	10.03	6.35	56.72	" "
10.56	15.00	13.86	4.00	4.50	6.00	6.27	3.95	60.86	" "
8.77	15.00	15.09	4.00	4.57	6.00	6.36	4.45	60.76	" "
9.54	16.00	16.00	3.50	4.19	13.00	9.81	9.90	50.56	" "
9.39	18.00	19.13	4.00	4.95	10.00	6.95	7.25	52.33	" "
8.64	20.00	21.59	4.00	5.13	9.00	6.90	8.60	49.14	A.
8.16	16.50	18.52	4.50	4.69	7.00	6.88	6.80	54.95	As declared on sack.
9.59	9.00	8.60	4.00	4.45	2.00	2.15	2.05	73.16	" "
11.79	9.50	9.21	2.50	2.71	5.00	2.68	1.70	71.91	B.
9.68	9.00	9.80	2.00	3.38	20.00	10.24	7.27	59.63	As declared on sack.
9.04	32.00	32.48	4.50	4.51	10.00	9.94	8.22	35.81	" "
8.01	32.00	32.26	4.50	5.04	10.00	9.04	9.55	36.10	" "
11.03	24.00	24.01	3.50	3.91	12.00	10.40	6.43	44.22	" "
8.34	24.00	25.45	3.50	4.46	12.00	11.66	8.95	41.14	" "
11.25	20.00	22.36	3.50	5.01	10.00	7.17	8.43	45.78	" "
9.11	20.00	23.10	3.50	5.25	10.00	8.11	7.75	46.68	" "
10.93	20.00	20.87	3.00	4.00	12.00	10.88	7.43	45.89	" "
11.41	16.00	17.53	3.00	3.28	12.00	11.42	7.51	48.85	A.
7.69	20.00	21.50	5.00	6.26	6.00	5.87	10.70	47.98	As declared on sack.
8.32	20.00	22.64	5.00	6.18	6.00	6.02	10.80	46.04	" "
8.07	20.00	21.41	5.00	6.31	6.00	5.78	10.80	47.63	" "
9.35	17.00	18.43	4.00	6.27	6.00	5.91	10.90	49.14	A.
9.13	16.50	18.43	4.00	5.48	5.00	5.07	8.75	53.14	As declared on sack.
10.01	16.50	17.46	4.00	5.35	5.00	4.65	7.60	54.93	" "
7.98	12.00	16.67	4.50	6.57	6.00	5.36	8.15	55.27	C.
9.03	15.00	17.20	4.00	7.51	5.50	6.81	8.30	51.15	As declared on sack.
9.42	17.00	18.47	3.00	4.13	6.00	5.80	8.92	53.26	" "
11.19	15.00	17.72	4.50	3.88	9.00	5.33	3.90	57.98	" "
10.73	10.00	10.44	2.50	3.23	5.00	1.67	2.40	71.53	" "
11.53	10.00	10.00	2.50	2.68	5.00	2.99	1.65	71.15	" "
9.66	17.50	17.81	4.00	4.19	10.00	8.39	6.15	53.80	D.
6.64	55.00	57.74	4.00	6.59	2.00	.72	20.00	8.31	As declared on sack.
6.08	55.00	55.90	4.00	10.18	2.00	.63	24.90	2.31	" "

A. Ingredients on sack differ from license.
B. Also detected Oats.
C. Also detected Corn Gluten Meal.
D. Detected 4.67% Screenings present.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
Sunset Feed & Grain Co., Inc., Buffalo, N. Y.		
Sunset Brand Feed	Hagerstown	
Swift & Co., Chicago, Ill.		
Swift's Fifty-Five Meat Scraps	Westminster	6.24
‡Swift's Digester Tankage	Frederick	6.92
Swift & Co., Oil Mills, Atlanta, Ga.		
Cottonseed Meal	Frederick	6.83
Cottonseed Meal	Gaithersburg	7.31
Cottonseed Meal	Hagerstown	7.13
Cottonseed Meal	Detour	6.92
Cottonseed Meal	Gaithersburg	6.68
Taneytown Grain & Supply Co., Taneytown, Md.		
Taney Laying Mash	Taneytown	9.75
Taney Pig and Hog Feed	Taneytown	10.41
Texas Star Flour Mills, Galveston, Texas		
Wheat Bran and Screenings	Baltimore	9.52
Thomas & Co., Frederick, Md.		
*Excelsior Dairy Feed	Gaithersburg	10.52
Economy Dairy Feed	Gaithersburg	9.80
"Makan-Eg" Egg Mash	Gaithersburg	9.47
"Solvita" Starting Mash	Gaithersburg	9.96
Thomas Supply Co., Adamstown, Md.		
Thomas 32% Dairy Feed	Adamstown	8.60
Thomas 32% Dairy Feed	Adamstown	8.40
Thomas 24% Dairy Feed	Adamstown	7.01
Thomas 24% Dairy Feed	Adamstown	8.38
Thomas 16% Dairy Feed	Adamstown	9.73
16% Milkmaker	Adamstown	8.01
Thomas Laying Mash	Adamstown	9.81
Thurmont Milling & Supply Association, Cooperative, Inc., Thurmont, Md.		
*Thurmont Laying Mash	Thurmont	10.26
*Thurmont Growing Mash	Thurmont	11.41
Pure Wheat Bran	Thurmont	10.34
†Wheat Middlings, with M.R.S.	Thurmont	10.84
Tioga Mills, Inc., Waverly, N. Y.		
‡E-Gee 32% Feed	Elk Mills	9.96
‡Red Brand Tioga Dairy Feed	Elk Mills	9.93
‡Derby 20% Dairy Feed	Elk Mills	10.08
‡Tasty Laying Food, with Cod Liver Oil	Elk Mills	8.61
‡Chicatine, with Cod Liver Oil	Elkton	9.26
‡Egatine, with Cod Liver Oil	Elkton	9.89
‡Derby Chick Grains	Elk Mills	11.51
‡Derby Scratch Feed	Elk Mills	11.90

*Deficient in protein or fat.
‡Not licensed at time of sale.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
.....	25.00	27.38	.....	.....	.....	.....	24.00	.....	As declared on sack.
6.24	55.00	54.06	6.00	10.98	3.00	2.33	24.60	1.79	" "
6.92	60.00	61.78	5.00	11.27	3.00	2.51	17.15	.37	" "
6.83	41.00	41.79	5.00	6.10	10.00	10.69	6.30	28.29	" "
7.31	41.00	41.08	5.00	5.89	10.00	11.37	7.00	27.35	" "
7.13	41.00	41.16	5.00	5.51	10.00	11.48	7.10	27.62	" "
6.92	41.00	41.24	5.00	6.28	10.00	11.31	6.50	27.75	" "
6.68	41.00	41.42	5.00	6.16	10.00	11.70	5.80	28.24	" "
9.75	18.00	18.69	4.50	5.13	6.75	5.81	9.40	51.22	" "
10.41	18.00	19.07	4.25	4.14	6.75	7.11	5.76	53.51	" "
9.52	15.00	17.99	4.00	3.89	10.50	9.69	7.05	51.86	" "
10.52	24.00	24.57	5.00	4.32	9.00	8.20	5.95	46.44	A.
9.80	20.00	21.94	4.50	4.33	9.00	9.49	5.70	48.74	As declared on sack.
9.47	20.00	20.88	5.00	4.96	9.00	7.09	9.15	48.45	" "
9.96	18.00	18.60	4.50	4.83	5.00	5.29	8.40	52.92	B.
8.60	32.00	32.22	5.00	4.65	10.00	10.76	7.22	36.55	As declared on sack.
8.40	32.00	33.95	5.00	5.29	10.00	10.42	6.62	35.32	" "
7.01	24.00	24.03	4.00	4.13	12.00	14.03	7.76	43.04	" "
8.38	24.00	23.57	4.00	4.25	12.00	13.38	8.59	41.83	" "
9.73	16.00	17.00	4.00	4.02	12.00	14.95	8.26	46.04	" "
8.01	16.00	18.37	3.50	4.14	12.00	14.02	5.93	49.53	C.
9.81	20.00	22.38	4.00	4.39	8.00	5.97	11.65	45.80	As declared on sack.
10.26	20.00	18.25	4.00	4.25	9.00	7.02	8.28	51.94	" "
11.41	16.00	14.92	4.00	3.94	7.00	4.41	8.40	56.92	" "
10.34	14.00	14.04	4.00	4.09	13.00	9.50	6.35	55.68	" "
10.84	15.00	13.51	4.50	2.95	5.00	2.87	1.90	67.93	" "
9.96	32.00	32.06	4.50	4.56	10.00	8.27	8.83	36.32	" "
9.93	24.00	25.72	4.50	4.71	10.00	9.53	7.55	42.56	" "
10.08	20.00	20.28	3.50	4.38	12.00	12.41	7.08	45.77	" "
8.61	20.00	21.94	4.00	5.24	7.50	6.76	8.45	49.00	" "
9.26	18.00	21.41	4.00	5.43	7.50	7.39	8.60	47.91	" "
9.89	23.00	22.99	4.00	4.94	7.50	6.81	9.25	46.12	" "
11.51	10.00	10.35	3.00	3.35	3.50	1.63	1.75	71.41	" "
11.90	9.00	10.18	2.00	3.64	4.50	3.34	1.70	69.24	" "

A. Ingredients on sack differ from license.
B. Oat Meal declared on bag—Fine Ground Oats detected.
C. Unable to detect Linseed Meal and Dried Brewers Grains.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Toledo Grain & Milling Co., Toledo, Ohio	
‡Camp's Winter Wheat Bran	Hagerstown
Trexler Farms, Allentown, Pa	
‡Buffalo Brand Dehydrated Alfalfa Meal	Cambridge
Ubiko Milling Co., Cincinnati, Ohio	
Ubiko 36% Hog Supplement	Dickerson
Life Guard Soy	Dickerson
Ubiko Pig and Sow Ration	Dickerson
Honeycomb Fitting Ration	Dickerson
Ultra-Life Laboratories, Inc., East St. Louis, Ill.	
Ultra-Life	Walkersville
Ultra-Life	White Haven
Union Sales Corp. Distributor For Union Starch & Refining Co. Columbus, Ind.	
Union Corn Gluten Feed	Detour
Union Supply & Milling Corp., Burbank, Calif.	
Sunshine Brand Alfalfa Leaf Meal	Salisbury
Unique Milling Co., Friendsville, Md.	
Pure Buckwheat Middlings	Friendsville
Pure Wheat Bran	Friendsville
*Pure Wheat Middlings	Friendsville
Van Iderstine Co., Long Island City, N. Y.	
Vico Quality Meat and Bone Scraps For Poultry	Frederick
Vico Quality Meat and Bone Scraps For Poultry	Westminster
Vico Quality Meat and Bone Scraps For Poultry	Pocomoke City
Vico Quality Meat and Bone Scraps For Poultry	Frederick
Vienna Flour & Feed Mill, Vienna, Md.	
Wayne Local Mix Laying Mash	Vienna
Wayne Local Mix Growing Mash	Vienna
Pure Wheat Bran	Vienna
†Pure Wheat Middlings	Vienna
Virginia-Maryland Dairy Feeders Co., Inc., Baltimore, Md.	
†Dried Brewers Grains	Baltimore
Virginia Feed Mills, Winchester, Va.	
*‡§Virginia Special Scratch Feed	Cumberland
Wabasha Roller Mill Co., Wabasha, Minn.	
Big Jo Pure Wheat Bran	Hagerstown
J. E. Walter, Parkton, Md.	
Buckwheat Middlings	Parkton
Pure Wheat Bran	Parkton
*Pure Wheat Middlings	Parkton
*Corn Bran	Parkton

*Deficient in protein or fat.
‡Not licensed at time of sale.
†Deficient in both protein and fat.
§Required information not shown on label.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.73	15.00	14.57	4.00	4.09	10.00	11.33	6.25	55.03	A.
6.18	15.00	15.09	2.00	2.05	30.00	28.03	9.80	38.85	As declared on sack.
6.79	36.00	36.94	4.50	5.19	8.00	5.47	15.75	29.86	" "
7.49	37.00	37.91	4.00	4.05	6.00	4.97	16.65	28.93	" "
5.17	16.00	19.04	4.00	5.05	8.00	5.95	10.20	54.59	" "
10.20	12.00	14.54	2.50	3.05	15.00	12.73	12.07	47.41	" "
7.04	19.50	24.75	4.50	7.94	4.50	3.97	6.20	50.10	" "
9.12	19.50	22.94	4.50	5.90	4.50	4.38	6.34	51.32	" "
9.39	25.00	27.64	1.00	2.54	8.00	6.52	6.25	47.66	" "
7.15	20.00	21.15	3.00	3.69	18.00	19.53	13.20	35.28	" "
9.53	28.75	31.24	7.00	8.14	9.00	4.42	5.45	41.22	" "
8.15	14.70	15.09	3.75	3.51	9.61	9.06	4.80	59.39	" "
9.76	14.04	13.51	3.75	3.14	4.11	2.93	2.10	68.56	" "
6.92	50.00	50.02	5.00	6.65	3.00	2.50	33.50	.41	" "
5.25	50.00	50.37	5.00	9.15	3.00	2.12	30.65	2.46	" "
6.09	50.00	50.11	5.00	8.95	3.00	2.69	30.00	2.16	" "
6.19	50.00	50.02	5.00	9.62	3.00	2.60	29.40	2.17	" "
7.97	18.00	19.13	3.50	4.90	7.00	7.69	8.45	51.86	" "
8.68	16.00	16.32	4.00	4.68	6.00	6.63	5.20	58.49	" "
8.31	14.00	13.95	4.00	3.78	7.00	9.26	5.50	59.20	" "
10.45	13.00	11.14	3.00	2.09	3.00	1.27	1.65	73.40	" "
6.21	28.00	26.50	6.00	7.22	15.00	15.06	3.65	41.36	" "
11.73	10.00	8.42	3.00	3.11	4.00	2.46	1.50	72.78	" "
9.80	15.50	17.29	4.30	5.06	12.00	10.95	7.10	49.80	" "
9.88	20.00	24.75	4.00	6.28	6.00	10.47	4.80	43.82	" "
9.11	13.00	13.34	3.00	3.08	8.00	6.38	3.80	64.29	" "
10.32	13.00	12.20	3.00	2.46	5.00	1.71	1.35	71.96	" "
9.57	9.00	8.78	5.00	2.63	12.00	7.09	1.45	70.48	" "

A. Also detected 1.40% Ground Screenings.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Ward Dry Milk Co., St. Paul, Minn.	
*Ward's Pure Dried Buttermilk	Princess Anne
Warner Brothers, Lineboro, Md.	
Warner's 20% Laying Mash	Lineboro
Line Egg Mash	Lineboro
Warner's Starter and Grower	Lineboro
C. B. Watkins & Co., Baltimore, Md.	
Foxhall Laying Mash	Baltimore
Foxhall Hog Feed	Baltimore
Peerless Starter and Grower Chick Mash	Baltimore
Peerless Scratch Feed	Baltimore
Westover Mills, Westover, Md.	
Perfection Laying Mash	Westover
Jones Mix Starter and Grower	Westover
Wheatena Corp., Highspire Flour Mills Division, Highspire, Pa.	
Pure Wheat Middlings	Frederick
M. Floyd Wiley, Detour, Md.	
Bran	Detour
Middlings	Detour
Wilkins Rogers Milling Co., Inc., Washington, D. C.	
Big Five Dairy Feed	Annapolis
Big Five Dairy Feed	Baltimore
Washington Egg Mash	Annapolis
Maryland University Egg Mash 1928 Contest Egg Mash	Hyattsville
Washington Growing Mash	Annapolis
Red Raven 85% Horse Feed	Baltimore
Red Raven 85% Horse Feed	Annapolis
Washington Calf Meal	Upper Marlboro
*Pure Wheat Middlings	Annapolis
Washington Baby Chick Mash	Bel Air
Washington Baby Chick Grains	Annapolis
Producer Scratch Feed	Baltimore
Producer Scratch Feed	Annapolis
Washington Scratch Feed	Upper Marlboro
Washington Intermediate Scratch Feed	Upper Marlboro
Wilson & Co., Inc., Chicago, Ill.	
Red "W" Brand 50% Meat and Bone Scraps	Baltimore
Oscar Wyatt, Greensboro, Md.	
Wyatt's Laying Mash	Greensboro

*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
.....	30.00	31.15	5.00	x 3.34	.....	.....	8.70	.....	As declared on sack.
9.17	20.00	19.78	4.50	4.97	6.75	5.26	8.84	51.98	" "
8.23	18.00	19.74	4.00	5.07	8.00	7.80	8.70	50.46	" "
10.31	16.00	16.85	4.00	4.90	6.00	7.29	6.65	54.00	" "
8.52	20.13	20.67	4.85	5.01	8.25	9.21	10.50	46.09	" "
8.92	15.25	17.72	2.98	3.54	7.33	9.35	8.60	51.87	" "
9.36	13.50	15.88	3.75	4.07	8.25	7.87	8.85	53.97	" "
12.05	10.00	9.30	3.00	3.03	5.00	2.78	1.55	71.29	" "
8.27	20.00	20.71	4.00	4.94	8.00	7.99	9.20	48.89	" "
11.03	17.00	17.38	5.00	5.25	6.00	5.53	7.70	53.11	" "
9.77	13.00	14.30	2.50	3.11	5.50	3.69	2.15	66.98	" "
10.05	15.00	14.74	3.00	3.11	9.00	10.13	6.70	55.27	" "
10.68	14.00	14.83	3.00	4.18	5.00	4.42	3.45	62.44	" "
6.65	20.00	20.27	5.00	5.10	12.00	12.43	6.20	49.35	A.
7.70	20.00	19.94	5.00	5.65	12.00	12.32	5.60	48.79	B.
7.60	22.00	22.90	5.00	6.13	8.00	5.71	13.30	44.36	" "
9.89	20.00	20.01	5.00	6.01	7.00	6.36	9.70	48.03	" "
7.49	17.00	18.08	5.00	5.25	6.00	5.92	9.45	53.81	" "
11.31	8.00	9.89	3.00	3.45	10.00	8.33	3.28	36.26	" "
9.44	8.00	10.36	3.00	3.22	10.00	7.60	3.64	65.74	" "
8.93	22.00	22.20	4.50	5.95	6.00	5.20	7.15	50.57	" "
9.67	15.50	14.30	4.00	3.90	7.00	3.97	3.45	64.71	" "
8.54	18.00	17.99	4.50	4.47	5.50	4.78	8.40	55.82	" "
8.11	10.00	11.58	2.50	3.09	3.00	1.86	2.20	73.16	" "
10.71	10.00	10.71	2.50	2.72	4.00	2.28	1.25	72.33	" "
10.25	10.00	9.65	2.50	2.51	4.00	2.76	1.50	73.33	" "
10.29	10.00	10.00	2.50	2.91	4.00	2.28	1.50	73.02	C.
10.02	10.00	10.27	2.50	3.95	3.00	2.27	1.95	71.54	As declared on sack.
5.82	50.00	50.81	6.00	7.93	3.00	1.94	32.35	1.15	" "
7.46	19.50	19.48	5.00	6.31	5.50	8.92	9.80	48.03	" "

A. Peanut Skin Meal present and not Peanut Meal as declared.
B. Ingredients on sack differ from license.
C. Unable to detect Buckwheat.
x. Fat as determined by the Roese-Gottlieb Method.

Manufacturer and Brand Name	Sampled From	Moisture
DOG FOOD		
Allied Mills, Inc., Chicago, Ill.		
Wayne Dog Food Krums	Salisbury	7.06
Austin Dog Bread & Animal Food Co., Chelsea, Mass.		
Austin's Special Cat Food	Baltimore	7.09
Austin's Toy Biscuit	Baltimore	6.76
Balorations Inc., Division of Tioga Mills, Inc., Waverly, N. Y.		
‡Ti-O-Ga Dog Food Meal	Baltimore	8.27
Bannock Food Co., Inc., West Chester, Pa.		
Bannock Dog Biscuit	Baltimore	9.16
Battle Creek Dog Food Co., Battle Creek, Mich.		
Miller's Kibbles	Baltimore	8.54
Miller's Ration	Baltimore	7.46
Beacon Milling Co., Inc., Cayuga, N. Y.		
Beacon Dog Pellets	Baltimore	6.98
Beacon Dog and Puppy Meal	Baltimore	7.18
California Animal Products Co., Oakland, Calif.		
*Calo Cat Food	Baltimore	76.88
Calo Dog Food	Baltimore	68.82
Chappel Brothers, Inc., Rockford, Ill.		
Ken-L-Ration	Baltimore	68.77
Kit-E-Ration	Baltimore	74.74
Consolidated By-Product Co., Philadelphia, Pa.		
Marco Beef Food Product Dog and Cat Food	Frostburg	73.94
Daily Packing Co., Chicago, Ill.		
Daily Dog Food	Frostburg	64.26
Derwood Mill, Derwood, Md.		
Derwood Dog Food	Derwood	8.48
Dietrich & Gambrill, Inc., Frederick, Md.		
Broken Dog Food	Baltimore	6.64
Mighty Good Dog Food	Baltimore	9.82
D & G. Dog Food Whole	Baltimore	7.35
Doggie Dinner Division of the Loudon Packing Co., Terre Haute, Ind.		
*Doggie Dinner	Frostburg	70.13
Doyle Packing Co., Newark, N. J.		
‡Strongheart Rations	Baltimore	76.44

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.06	25.00	28.26	4.00	4.76	5.00	3.78	11.10	45.04	
7.09	18.00	19.39	1.00	1.16	2.50	.92	3.95	67.49	
6.76	20.00	21.94	1.00	1.82	2.00	.88	5.60	63.00	
8.27	20.00	25.36	2.50	3.79	3.00	2.18	13.40	47.00	
9.16	22.00	21.67	3.00	3.11	3.50	2.13	10.50	53.43	
8.54	18.00	20.18	1.00	1.28	2.00	.99	5.90	63.11	
7.46	15.00	18.60	1.00	3.57	3.50	4.51	7.95	57.91	
6.98	24.00	26.50	3.00	4.46	5.00	2.60	9.55	49.91	
7.18	24.00	26.15	3.00	4.51	5.00	2.29	9.35	50.52	
76.88	8.00	5.88	2.25	2.00	.50	.62	1.22	13.40	
68.82	8.00	8.90	2.25	2.76	.50	.70	4.69	14.13	
68.77	10.00	9.07	2.00	4.85	2.00	1.20	5.55	10.56	
74.74	10.00	10.78	1.00	1.88	2.00	1.31	1.53	9.76	
73.94	10.50	10.48	3.00	2.60	1.00	.70	3.48	8.80	
64.26	12.00	13.19	5.00	4.83	1.00	1.47	4.25	12.00	
8.48	25.00	24.39	4.00	5.34	4.00	3.86	12.65	45.28	
6.64	20.00	22.38	2.50	2.89	2.00	2.35	10.40	55.34	
9.82	18.00	22.62	4.00	5.32	3.00	3.24	11.24	47.76	
7.35	20.00	22.03	2.50	3.33	2.00	1.97	10.35	54.97	
70.13	8.30	8.10	2.40	1.64	.40	.74	4.18	15.21	
76.44	6.50	7.06	2.50	2.45	1.00	.90	1.64	11.51	A.

A. Protein guarantee and ingredients on package differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
John W. Eshelman & Sons, Lancaster, Pa.	
*Eshelman's Dog and Puppy Food	Annapolis
Frederick City Packing Co., Frederick Md.	
Real Friend Brand Dog and Cat Food	Baltimore
Gaines Food Co., Sherbourne, N. Y.	
Gaines Meat and Milk Meal Cooked	Hagerstown
Vita-Gaines Dog Food	Centreville
General Packing Corp., Brooklyn, N. Y.	
†‡Peppy Pet Food For Dogs and Cats	College Park
Golden Grain Mills Inc., Harrisburg, Pa.	
‡Golden Grain Dog Feed	Reisterstown
Hales & Hunter Co., Chicago, Ill.	
Lucky Dog Supplement	Cumberland
Kennel Food Supply Co., Fairfield, Conn.	
Cero-Meato	Baltimore
Cod Liver Oil Vegetables and Meat Biscuits	Baltimore
C. F. Meat Biscuits	Baltimore
Plain Biscuits	Baltimore
C. D. Kenny Co., Baltimore, Md., Paid by National Coast Products Corp., Swedesboro, N. J.	
Spunky Brand	Baltimore
Lardan Packing Co, Inc., Ozone Park, N. Y.	
*Omar Dog and Cat Food	Baltimore
Larrowe Milling Co., Detroit, Mich.	
Larro Dog Food	Silver Spring
George C. Melody, Greensburg, Pa.	Baltimore
Maryland Grocery Co., Baltimore, Md.	
Snooky Dog and Cat Food	Cumberland
Dr. Melody's Dog Food	
Modern Food Process Co., Philadelphia, Pa.	
Thrivo Dog and Cat Food	Baltimore
John Morrell & Co., Ottumwa, Iowa	
Red Heart Diet A—Dog Food	Frostburg
Red Heart Diet B—Dog Food	Frostburg
Red Heart Diet C—Dog Food	Baltimore
Red Heart Dog Biscuits	Baltimore
National Biscuit Co., New York, N. Y.	
Junior Milk-Bone	Baltimore
Milk-Bone Crumbs	Baltimore

*Deficient in protein or fat.
‡Not licensed at time of sale.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.21	26.00	25.10	5.50	4.51	2.50	3.24	12.65	48.29	
68.06	7.50	9.35	1.00	1.66	1.50	1.36	3.54	16.03	B.
6.08	23.00	29.13	3.00	4.56	4.00	3.75	15.40	41.08	
76.04	7.00	9.92	2.50	3.09	1.00	.60	2.69	7.66	
77.63	7.00	5.32	2.00	.41	1.00	.61	2.20	13.83	
7.28	30.00	31.24	5.00	5.74	8.00	3.95	15.90	35.89	A.
10.01	22.00	21.47	4.00	5.43	6.00	2.52	4.61	55.96	
7.25	20.00	23.43	2.00	2.05	3.00	1.24	8.50	57.53	
8.02	21.00	23.08	2.00	3.11	3.00	2.31	5.50	57.98	
8.13	20.00	20.53	2.00	2.20	2.00	1.35	4.65	63.14	
8.28	16.00	18.78	1.00	1.32	3.00	1.35	6.10	64.17	
75.24	7.00	8.10	2.00	2.15	5.00	1.23	2.17	11.11	C.
78.63	6.55	4.63	1.50	1.09	.40	1.05	.81	14.79	
6.67	24.50	28.08	4.50	5.29	4.50	4.52	10.55	44.89	
75.13	7.50	9.94	1.25	1.80	1.50	1.10	2.69	9.34	
78.71	4.99	8.26	.67	.58	3.91	.57	2.36	9.52	
69.87	10.00	11.60	3.00	6.47	3.00	1.61	2.38	8.07	
68.17	10.50	11.28	2.50	7.44	1.00	.76	2.82	9.53	
70.33	10.50	11.47	2.50	4.58	1.00	.89	3.81	8.92	
70.44	10.50	11.64	2.50	4.57	1.00	.89	2.68	9.78	
7.72	25.00	25.80	2.00	2.62	2.00	1.48	9.90	52.48	
6.24	20.00	22.82	1.50	2.71	2.50	1.92	6.65	59.66	
6.52	20.00	22.29	1.50	2.09	2.50	1.71	6.80	60.59	

A. Ingredients on package differ from license.
B. Fat guarantee and ingredients differ from license.
C. Fibre guarantee on package differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
National Biscuit Co., New York, N. Y., (Continued)	
Milk-Bone Dog Biscuit	Baltimore
Milk-Bone Puppy Food	Baltimore
National Coast Products Corp., Swedesboro, N. J.	
Lykit Brand Dog and Cat Food	Baltimore
Nowak Milling Corp., Hammond, Ind.	
Domino Dog-ets	Harmony Grove
Domino Crumbs Dog-ets	Harmony Grove
Old Trusty Dog Food Co., Inc., Needham Heights, Mass.	
All Terrier Food	Baltimore
Old Trusty Bovex	Baltimore
Ralston Purina Co., St. Louis, Mo.	
Purina Dog Chow	Towson
Rex Dog Food Products Co., Paid by Atlas Canning Co., Inc., Glendale, N. Y.	
*Rex Dog Food	Baltimore
Rich Products Corp., Rockford, Ill.	
‡Evr Redy	Baltimore
G. P. Rose & Co., Nashville, Tenn.	
Mascot Dog Food	Baltimore
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	
Bal-Mar Dog Food	Baltimore
Spratt's Patent (AM) Limited, Newark, N. J.	
Spratt's Challenge Terrier Meal	Baltimore
Spratt's Fibo Dog Cakes	Baltimore
Spratt's Meat-Fibrine Dog Cakes	Baltimore
Spratt's Ovals	Baltimore
Sturdy Dog Food Co., Inc., Syracuse, N. Y.	
‡Sturdy Dog Food (Granular Meal)	Easton
*Sturdy Dog Food (Canned)	Chestertown
‡Sturdy Dog Food Kibble Ration	Easton
Swift & Co., Chicago, Ill.	
Pard Dog Food	Baltimore
The ThoroBread Co., Cincinnati, Ohio	
ThoroBread Dog and Puppy Food	Oakland
Trophy Dog Food	Cumberland
Vimpep Foods, Inc., Cambridge, Md.	
‡Vimpep Dog Food	Baltimore

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.99	20.00	22.82	1.50	1.88	2.50	2.09	6.30	59.92	
6.81	20.00	22.64	1.50	2.27	2.50	2.01	6.45	59.82	A.
76.03	7.00	8.29	2.00	1.84	1.70	1.20	1.29	11.35	
8.03	30.00	30.01	4.00	5.26	4.50	5.08	8.10	43.52	
6.49	30.00	30.98	4.00	4.57	4.50	3.99	8.15	45.82	
9.15	18.82	22.38	1.41	1.03	.54	1.02	3.10	63.32	
70.46	10.00	10.84	2.00	4.09	1.00	.69	1.65	12.27	B.
7.99	20.00	23.87	3.00	6.97	6.00	3.77	6.50	50.90	
76.00	6.50	6.78	2.10	1.12	.63	1.26	1.02	13.82	
68.15	10.00	9.06	1.00	4.95	2.00	.85	5.83	11.16	
7.63	20.00	20.62	5.00	7.07	5.00	4.49	10.95	49.24	A.
64.28	11.00	14.34	3.00	5.86	1.00	1.10	3.69	10.73	
7.08	20.00	20.27	2.00	2.03	1.50	.61	2.60	67.41	
7.03	20.00	23.78	2.00	4.00	1.50	1.45	3.35	60.39	
7.66	20.00	24.13	2.00	2.02	1.50	1.11	2.45	62.63	
6.96	20.00	22.11	2.00	2.11	1.50	.86	2.05	65.91	
7.56	20.00	22.82	2.50	4.56	5.00	3.37	12.70	48.99	
70.36	10.00	14.53	2.00	5.15	1.00	1.20	2.38	6.38	
7.14	18.80	18.87	1.05	.65	1.50	1.28	4.90	67.16	
73.45	10.50	10.22	2.50	3.14	.50	.80	2.67	9.72	
8.09	17.50	17.46	3.25	4.32	3.20	3.87	8.60	57.66	
77.27	7.00	7.52	1.25	.91	1.50	1.73	2.31	10.26	
67.94	10.00	10.21	2.00	4.61	1.00	.93	4.59	11.72	

A. Ingredients on package differ from license.
B. Fibre guarantee on package differs from license.

Manufacturer and Brand Name	Sampled From
Vita-Fresh Dog Food Corp., Long Island City, N. Y.	
*Vita-Fresh Dog Food	Baltimore
Warner Dog Food Co., Inc., Brooklyn, N. Y.	
Warner's Complete Dog Food	Baltimore
Wilson & Co., Inc., Chicago, Ill.	
*‡Ideal Dog Food	Hagerstown

*Deficient in protein or fat.
‡Not licensed at time of sale.

MINERAL FEED

Manufacturer and Brand Name	Sampled From
Jas. K. Daugherty Co., Baltimore, Md.	
Bocalphos	Baltimore
Bocalphos	Linwood
Daco Mineral Mixture	Denton
Davison Chemical Corp., Baltimore, Md.	
Eaco Mineral Mixture	Westminster
Sea Board Supply Co., Inc., Philadelphia, Pa.	
S.B.S. Soluble Mineral Iodized	Taneytown

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.28	27.45	29.31	7.19	4.52	3.03	3.32	14.45	40.12	
7.81	23.00	27.20	3.00	5.55	2.50	3.90	9.20	46.34	
74.62	10.00	8.87	2.00	3.45	1.00	.65	2.39	10.02	

Calcium Oxide CaO		Phosphorus P_2O_5		Salt	
Guaranteed	Found	Guaranteed	Found	Guaranteed	Found
25.00	22.14	10.00	9.96		
25.00	22.40	10.00	9.80		
20.00	30.90	5.00	5.80		
30.00	34.25	7.00	7.50		
17.85	31.60	7.42	7.00	8.00	8.08

LIME ANALYSES

A detailed report of the results obtained in the inspection and analysis of agricultural liming materials from January 1, 1937 to July 1, 1937, is contained in pages 120 to 129, inclusive. Limes are considered seriously deficient with respect to chemical analysis when they are one per cent deficient in total oxides.

ANALYSES OF AGRICULTURAL BURNT LIME (OXIDES)

Number	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
			Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Found
	J. E. Baker Co., York, Pa.										
3784	Jebco Agric. Lump Lime	Centreville	88.00	**93.40**	5.00	**1.55**	93.00	**94.95**	2.00	.....	**.14**
3786	†Jebco Burned Lime	Queen Anne	88.00	**83.40**	5.00	**9.26**	93.00	**92.66**	2.00	**2.79**	**.60**
	S. W. Barrick & Sons, Inc., Woodsboro, Md.										
3753	Barrick's Agric. Lump Lime	Woodsboro	85.00	**92.60**	2.00	**1.12**	87.00	**93.72**	.....	**.27**	**1.19**
3774	†Barrick's Agric. Lime	Hillsboro	75.00	**80.00**	2.00	**1.82**	77.00	**81.82**	.....	**2.39**	**4.77**
3754	*†Barrick's Agric. Ground Lime	Woodsboro	75.00	**72.95**	2.00	**1.62**	77.00	**74.57**	.....	**12.09**	**8.05**
	Harry T. Campbell Sons' Co., Towson, Md.										
3705	†Campbell's Ground Burned Lime	Texas	54.00	**54.70**	28.00	**29.98**	82.00	**84.68**	5.00	**2.11**	**8.56**
	L. Frank Carbaugh, Hagerstown, Md.										
3805	Lump Lime	Cearfoss	80.00	**82.60**	2.00	**2.28**	82.00	**84.88**	.....	**3.25**	**3.26**
3729	‡Lump Lime	Cearfoss	80.00	**82.25**	2.00	**2.45**	82.00	**84.70**	.....	**16.86**	**1.16**
3806	*†Ground Burned Lime	Cearfoss	75.00	**71.80**	2.00	**2.21**	77.00	**74.01**	.....	**15.72**	**5.86**
3730	†‡Ground Burned Lime	Cearfoss	75.00	**75.95**	2.00	**2.93**	77.00	**78.88**	.....	**4.09**	**6.83**
	Cavetown Planing Mill Co., Cavetown, Md.										
3726	‡Lump Lime	Cavetown	80.00	**87.00**	2.00	**7.82**	82.00	**94.82**	.....	**1.61**	**1.32**
3727	†‡Ground Lime	Cavetown	80.00	**75.45**	2.00	**10.80**	82.00	**86.25**	.....	**8.91**	**3.63**
	Chas. L. Forsythe, Hagerstown, Md.										
3728	Lump Lime	Cearfoss	85.00	**83.95**	1.50	**2.69**	86.50	**86.64**	.....	**2.04**	**3.19**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.										
3757	Famous Frederick Co.. Agric. Lime-Lump	Frederick	86.00	**90.35**	4.00	**5.86**	90.00	**96.21**	.....	**1.43**	**.55**
3760	†Famous Frederick Co. Ground Lime	Frederick	75.00	**85.10**	5.00	**5.19**	80.00	**90.29**	.....	**7.79**	**2.29**
	Legore Lime Co., Legore, Md.										
3751	LeGore's Lump Lime	LeGore	80.00	**95.50**	3.00	**1.62**	83.00	**97.12**	3.00	**2.43**	**.65**

	Legore Lime Co., Legore, Md.										
3751	LeGore's Lump Lime	LeGore	80.00	95.50	3.00	1.62	83.00	97.12	3.00	2.43	.65
	Henry Mosser, Oakland, Md.										
3781	*Burnt Lump Lime	Oakland	68.00	46.00	.50	1.22	68.50	47.22			12.94
	Everett V. Moser, Middletown, Md.										
3734	Lump Lime	Middletown	85.00	75.40	10.00	19.94	95.00	95.34		4.04	.27
	National Gypsum Co., Buffalo, N. Y.										
3777	†Big Yield Agric. Ground Lime	Westminster	90.00	91.85	2.00	1.55	92.00	93.40		3.68	.62
3717	†Big Yield Agric. Ground Lime	Colora	90.00	95.35	2.00	1.70	92.00	97.05		1.57	.54
	L. O. Robosson, Marriottsville, Md.										
3704	‡Agric. Lump Lime	Marriottsville	75.00	74.50	5.00	9.18	80.00	83.68		9.48	8.16
	Edward Savage, Friendsville, Md.										
3795	*†Agric. Ground Burned Lime	Friendsville	68.00	59.65	2.00	1.89	70.00	61.54		6.36	13.61
	Stanley Schetrompf, Clear Spring, Md.										
3731	‡Lump Lime	Clear Spring	80.00	85.80	4.00	3.91	84.00	89.71		2.95	3.36
	Shank & Etzler Lime Co., Frederick, Md.										
3764	Agric. Lump Lime	Frederick	60.00	66.80	30.00	31.42	90.00	98.22		1.31	.10
3766	*†Agric. Ground Burned Lime	Frederick	55.00	48.10	25.00	27.28	80.00	75.38	1.00	12.16	10.35
3804	*†Agrico. Ground Burned Lime	Frederick	55.00	56.30	25.00	22.33	80.00	78.63	1.00	7.63	9.58
	Shinham Lime & Fertilizer Co., Harpers Ferry, W. Va.										
3732	‡Lump Lime	Dargan	85.00	91.80	2.00	1.53	87.00	93.33		2.75	1.16
3733	†‡Ground Burned Lime	Dargan	75.00	77.95	2.00	2.12	77.00	80.07		7.68	4.35
	Spencer Lime Co., Accident, Md.										
3794	Burnt Lump Limestone	Accident	76.45	84.15	1.63	1.37	78.08	85.52		2.77	2.89
	Stoner & Powell, Woodsboro, Md.										
3761	Old Reliable Fountain Rock Lump Lime	Woodsboro	85.00	81.70	2.00	10.62	87.00	92.32		5.11	1.01
3746	†Old Reliable Fountain Rock Lime	Hebron	60.00	56.70	2.00	8.28	62.00	64.98			6.76
3762	†Old Reliable Fountain Rock Ground Lime	Woodsboro	70.00	72.10	5.00	6.59	75.00	78.69		12.09	6.45

‡Not licensed at time of sampling. *Product deficient in total oxides. †Mechanical Analysis of Ground Burnt Lime. (see page 10)

ANALYSES AGRICULTURAL HYDRATED LIME

Number	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO				Sand & Insol.
			Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			Found
	American Lime & Stone Co., Bellefonte, Pa.										
3710	†Bell Mine Hydrate	Providence	69.30	**73.05**	.70	**1.06**	70.00	**74.11**			**.38**
	Annville Lime Co., Inc., Annville, Pa.										
3683	†‡Snowflake Hydrated Lime	Salisbury	60.00	**57.55**	11.00	**16.58**	71.00	**74.13**			**2.36**
	J. E. Baker Co, York, Pa.										
3773	†Susquehanna Hydrate	Elkton	66.00	**67.75**	6.00	**8.05**	72.00	**75.80**			**.20**
3686	†Susquehanna Hydrate	Queen Anne	66.00	**65.45**	6.00	**9.90**	72.00	**75.35**			**.44**
	S. W. Barrick & Sons, Inc., Woodsboro, Md.										
3755	†Barrick's Hydrated Lime	Woodsboro	65.00	**68.25**	2.00	**1.37**	67.00	**69.62**			**3.83**
3685	†Barrick's Hydrated Lime	Salisbury	65.00	**66.85**	2.00	**1.52**	67.00	**68.37**			**5.45**
	Blair Limestone Co., Martinsburg, W. Va.										
3776	†Opequon Hydrated Lime	Westminster	67.00	**65.05**	2.00	**4.16**	69.00	**69.21**			**3.92**
	G. & W. H. Corson, Plymouth Meeting, Pa.										
3698	†Corson's High Magnesium Hydrate	Snow Hill	46.50	**47.70**	31.00	**33.91**	77.50	**81.61**			**1.66**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.										
3759	†Famous Frederick Co. Hydrated Lime	Frederick	65.00	**66.75**	5.00	**4.52**	70.00	**71.27**			**1.04**
3735	†Famous Frederick Co. Hydrated Lime	Silver Spring	65.00	**65.40**	5.00	**7.82**	70.00	**73.22**			**1.56**
	A. H. Hoffman, Inc., Landisville, Pa.										
3789	†Hoffman's Hydrated Lime	Baltimore	70.00	**70.55**	1.50	**1.09**	71.50	**71.64**			**2.09**
	Keller Lime Co., Inc., Buckeystown, Md.										
3725	†‡§Keller's Agric. Hydrate	Buckeystown	66.00	**67.15**	1.50	**4.04**	67.50	**71.19**			**1.95**
3709	†‡§Keller's Agric. Hydrate	Bel Air	66.00	**68.20**	1.50	**4.16**	67.50	**72.36**			**2.49**
	Legore Lime Co., Legore, Md.										
3788	LeGore's Hydrated Lime	Reisterstown	65.00	**64.60**	5.00	**5.98**	70.00	**70.58**			**3.26**

	Keller Lime Co., Inc., Buckeystown, Md.										
3725	†‡§Keller's Agric. Hydrate	Buckeystown	66.00	67.15	1.50	4.04	67.50	71.19			1.95
3709	†‡§Keller's Agric. Hydrate	Bel Air	66.00	68.20	1.50	4.16	67.50	72.36			2.49
	Legore Lime Co., Legore, Md.										
3788	LeGore's Hydrated Lime	Reisterstown	65.00	64.60	5.00	5.98	70.00	70.58			3.26
3752	†LeGore's Hydrated Lime	LeGore	65.00	64.30	5.00	6.17	70.00	70.47			3.94
3712	†LeGore's Hydrated Lime	Rising Sun	65.00	63.90	5.00	6.42	70.00	70.32			5.34
3694	†LeGore's Hydrated Lime	Ridgely	65.00	63.85	5.00	5.86	70.00	69.71			3.59
	H. E. Millard, Annville, Pa.										
3695	†Sweet-Arrow Hydrated Lime	Federalsburg	70.00	71.45	1.00	1.81	71.00	73.26			.71
	National Gypsum Co., Buffalo, N. Y.										
3668	†Gold Bond Hydrated Lime	Raspeburg	71.00	72.65	1.00	.95	72.00	73.60			.30
3715	†Palmer Hydrated Lime	Colora	70.00	72.25	2.00	1.66	72.00	73.91			.44
3716	†Palmer Spraying Hydrated Lime	Colora	70.00	72.55	2.00	1.57	72.00	74.12			.27
	Powhatan Lime Co., Strasburg Junction, Va.										
3670	†Powhatan Hydrated Agric. Lime	Lonaconing	71.00	72.50	1.50	.96	72.50	73.46			.35
	Shank & Etzler Lime Co., Frederick, Md.										
3765	†Agric. Hydrated Lime	Frederick	45.00	43.45	20.00	24.78	65.00	68.23			8.86
	Standard Lime & Stone Co., Baltimore, Md.										
3691	†Washington Agric. Hydrated Lime	Salisbury	46.50	46.75	31.00	32.53	77.50	79.28			.67
3662	†Standard Agric. Hydrated Lime	Washington Grove	71.00	72.50	1.00	1.03	72.00	73.53			.80
3669	†Standard Agric. Hydrated Lime	Raspeburg	71.00	71.50	1.00	2.03	72.00	73.53			.45
	Steacy & Wilton Co., Wrightsville, Pa.										
3756	†"Sterling" Brand Hydrated Lime	Taneytown	69.00	67.80	3.00	7.86	72.00	75.66			.38
3689	†"Sterling" Brand Hydrated Lime	Denton	69.00	68.70	3.00	7.24	72.00	75.94			.38
	Stoner & Powell, Woodsboro, Md.										
3763	a†Old Reliable Fountain Rock Hydrated Lime	Woodsboro	60.00	61.20	2.00	6.01	62.00	67.21			5.48
	Thomasville Stone & Lime Co., Thomasville, Pa.										
3778	†Thomasville Hydrated Lime	Glyndon	70.00	71.35	2.00	2.13	72.00	73.48			1.06
3707	†Thomasville Hydrated Lime	Fallston	70.00	70.95	2.00	2.94	72.00	73.89			1.10
	Warner Co., Philadelphia, Pa.										
3693	†Knickerbocker Hydrated Lime	Salisbury	46.50	47.90	31.00	33.67	77.50	81.57			1.02
3692	†Knickerbocker Hydrated Lime	Cambridge	46.50	47.40	31.00	33.53	77.50	80.93			1.19
3699	†Warner "Limoid"	Snow Hill	46.50	48.70	31.00	33.41	77.50	82.11			1.27
3687	†Warner "Limoid"	Federalsburg	46.50	48.60	31.00	34.77	77.50	83.37			.82

†Mechanical analysis of Hydrated Lime. (see page 10) ‡Not licensed at time of sampling. a. Magnesium Oxide guarantee on bag differs from license.
§No guarantee of fineness on sacks.

ANALYSES OF AGRICULTURAL LIMESTONE, MARL & OYSTER SHELLS

Number	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Sand & Insol.
			Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Found
	American Lime & Stone Co., Bellefonte, Pa.								
3711	†Alfalfa Pulverized Limestone	Providence	53.79	53.95	.48	1.08	54.27	55.03	2.08
	Herbert Bryant Inc., Alexandria, Va.								
3724	†§Pulverized Oyster Shell	Washington Grove	45.00	48.80	.50	.75	45.50	49.55	8.90
	Harry T. Campbell Sons' Co., Towson, Md.								
3706	*†Campbell's Pulverized Limestone	Texas	30.00	22.40	14.00	17.92	44.00	40.32	22.00
3811	†Campbell's Pulverized Limestone	Annapolis	30.00	27.90	14.00	19.12	44.00	47.02	9.79
	G. & W. H. Corson, Plymouth Meeting, Pa.								
3700	†Corson's Dolomitic Limestone	Greensboro	29.14	29.75	20.08	21.39	49.22	51.14	3.87
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.								
3758	†Pulverized Limestone	Frederick	53.00	54.20	1.00	.94	54.00	55.14	1.04
	Landis Stone Meal Co., Rheems, Pa.								
3745	†White Lily	Cambridge	50.00	48.50	2.00	3.57	52.00	52.07	6.43
	H. E. Millard, Annville, Pa.								
3688	†Airfloated Pulverized Limestone	Ridgely	54.00	53.95	.50	.95	54.50	54.90	2.59
	National Gypsum Co., Buffalo, N. Y.								
3779	†‡Pulverized Limestone Flour	Westminster	.....	53.20	.....	2.48	.....	55.68	.47
3713	†Challenge Brand Pulverized Limestone Flour	Colora	51.00	53.55	3.00	2.05	54.00	55.60	.80
	Potomac Poultry Food Co., Inc., Baltimore, Md.								
3682	*†Potolime	Crisfield	48.00	45.60	.50	.78	48.50	46.38	13.03
	I. G. Robinson, Hancock, Md.								
3797	*†Pulverized Raw Limestone	Hancock	44.55	43.25	2.68	2.58	47.23	45.83	15.43
	Spencer Lime Co., Accident, Md.								
3793	*Raw Pulverized Limestone	Accident	40.25	38.80	1.11	1.25	41.36	40.05	24.27

3682	*†Potolime	Crisfield	48.00	45.60	.50	.78	48.50	46.38	13.03
	I. G. Robinson, Hancock, Md.								
3797	*†Pulverized Raw Limestone	Hancock	44.55	43.25	2.68	2.58	47.23	45.83	15.43
	Spencer Lime Co., Accident, Md.								
3793	*Raw Pulverized Limestone	Accident	40.25	38.80	1.11	1.25	41.36	40.05	24.27
	Standard Lime & Stone Co., Baltimore, Md.								
3749	†Standard Pulverized Limestone	Frederick	53.20	54.70	.50	1.10	53.70	55.80	1.05
3714	†Standard Pulverized Limestone	Sykesville	53.20	54.55	.50	.89	53.70	55.44	.87
	Steacy & Wilton Co., Wrightsville, Pa.								
3690	†Pulverized Limestone	Denton	48.00	52.15	1.00	2.75	49.00	54.90	1.30
	Thomasville Stone & Lime Co., Thomasville, Pa.								
3750	†Thomasville Pulverized Limestone	Westminster	53.20	53.80	1.90	1.34	55.10	55.14	1.34
3708	†Thomasville Pulverized Limestone	Fallston	53.20	53.90	1.90	1.70	55.10	55.60	1.49
	W. H. Valliant & Bro., Bellevue, Md.								
3744	†Ground Oyster Shell	Bellevue	46.00	47.60	.....	.64	.....	48.24	10.85
	Warner Co., Philadelphia, Pa.								
3747	†Warner Pulverized Limestone	Rhodesdale	30.00	30.50	20.00	21.65	50.00	52.15	1.92

MISCELLANEOUS LIMING PRODUCTS

Number	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
			Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Found
	Keller Lime Co., Inc., Buckeystown, Md.										
3798	*†Refuse or Tailings	Buckeystown	60.00	50.80	2.00	3.11	62.00	53.91	.....	6.91	19.85
	Keystone Lime Co., Springs, Pa.										
3796	†Alfalfa Brand Lime		70.00	72.05	3.00	4.01	73.00	76.06	.....	8.07	7.96
	West Virginia Lime Co., Roanoke, Va.										
3684	†West Virginia Precipitated	Salisbury	50.00	51.45	.50	.87	50.50	52.32	90.00	.....	3.36

*Product deficient in total oxides. †Mechanical analysis of Pulverized Limestone. (see page 10) ‡Not tagged. §No guarantee of fineness shown on sacks.

Mechanical Analyses of Ground Limestone, Ground Oyster Shells, Ground Burnt Lime and Hydrated Lime

Number	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	Found	Guaranteed	Found	Guaranteed	Found
	American Lime & Stone Co., Bellefonte, Pa.							
3710	Bell Mine Hydrate	Providence	100.	**100.**	99.95	**100.**	99.95	**100.**
3711	Alfalfa Pulverized Limestone	Providence	100.	**100.**	90.	**98.**	70.	**92.**
	Annville Lime & Stone Co., Inc., Annville, Pa.							
3683	Snowflake Hydrated Lime	Salisbury	100.	**100.**	99.00	**97.**	96.	**94.**
	J. E. Baker Co., York, Pa.							
3773	Susquehanna Hydrate	Elkton	100.	**100.**	100.	**100.**	99.	**100.**
3686	Susquehanna Hydrated	Queen Anne	100.	**100.**	100.	**100.**	99.	**99.**
3786	Jebco Burned Lime	Queen Anne	90.	**97.**	60.	**73.**	50.	**65.**
	S. W. Barrick & Sons, Inc., Woodsboro, Md.							
3774	Barrick's Agric. Lime	Hillsboro	95.	**80.**	70.	**58.**	60.	**52.**
3754	Barrick's Agric. Ground Lime	Woodsboro	95.	**80.**	70.	**59.**	60.	**52.**
3755	Barrick's Hydrated Lime	Woodsboro	100.	**98.**	92.	**92.**	89.	**88.**
3685	Barrick's Hydrated Lime	Salisbury	100.	**96.**	92.	**87.**	89.	**82.**
	Blaire Limestone Co., Martinsburg, W. Va.							
3776	Opequon Hydrated Lime	Westminster	100.	**100.**	99.	**100.**	98.	**98.**
	Herbert Bryant Inc., Alexandria, Va.							
3724	Pulverized Oyster Shell	Washington Grove	90.	**82.**	68.	**39.**	34.	**25.**
	Harry T. Campbell Sons' Co., Towson, Md.							
3705	Campbell's Ground Burned Lime	Texas	90.	**93.**	25.	**37.**	10.	**20.**
3811	Campbell's Pulverized Limestone	Annapolis	100.	**100.**	98.	**85.**	80.	**58.**
3706	Campbell's Pulverized Limestone	Texas	100.	**100.**	98.	**100.**	80.	**98.**
	L. Frank Carbaugh, Hagerstown, Md.							
3730	Ground Burned Lime	Cearfoss		63.		47.		42.
3806	Ground Burned Lmie	Cearfoss		95.		72.		57.

	Cavetown Planing Mill Co., Cavetown, Md.							
3727	Ground Lime	Cavetown	56.	70.	42.	53.	39.	47.
	G. & W. H. Corson, Plymouth Meeting, Pa.							
3700	Corson's Dolomitic Limestone	Greensboro	99.	100.	97.	100.	96.	98.
3698	Corson's High Magnesium Hydrate	Snow Hill	99.	100.	97.	97.	95.	94.
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.							
3760	Famous Frederick Co. Ground Lime	Frederick	50.	60.	35.	38.	25.	32.
3759	Famous Frederick Co. Hydrated Lime	Frederick	100.	100.	99.	98.	90.	95.
3735	Famous Frederick Co. Hydrated Lime	Silver Spring	100.	100.	99.	97.	90.	94.
3758	Pulverized Limestone	Frederick	100.	100.	98.	97.	94.	88.
	A. H. Hoffman, Inc., Landisville, Pa.							
3789	Hoffman's Hydrated Lime	Baltimore	100.	100.	99.25	100.	99.	99.
	Keller Lime Co., Inc., Buckeystown, Md.							
3725	Keller's Agric. Hydrate	Buckeystown		100.		99.		98.
3709	Keller's Agric. Hydrate	Bel Air		100.		100.		99.
3798	Refuse or Tailings	Buckeystown		78.		42.		30.
	Keystone Lime Co., Springs, Pa.							
3796	Alfalfa Brand Lime			32.		17.		16.
	Landis Stone Meal Co., Rheems, Pa.							
3745	White Lily	Cambridge	99.	97.	98.	83.	80.	76.
	Legore Lime Co., LeGore, Md.							
3752	LeGore's Hydrated Lime	LeGore	100.	100.	98.	97.	97.	94.
3712	LeGore's Hydrated Lime	Rising Sun	100.	100.	98.	95.	97.	91.
3694	LeGore's Hydrated Lime	Ridgely	100.	100.	98.	97.	97.	94.
	H. E. Millard, Annville, Pa.							
3695	Sweet-Arrow Hydrated Lime	Federalsburg	100.	100.	99.25	100.	99.	99.
3688	Airfloateed Pulverized Limsetone	Ridgely	100.	100.	100.	100.	99.	97.
	National Gypsum Co., Buffalo, N. Y.							
3777	Big Yield Agric. Ground Lime	Westminster	90.	100.	75.	92.	40.	61.
3717	Big Yield Agric. Ground Lime	Colora	90.	100.	75.	90.	40.	54.
3668	Gold Bond Hydrated Lime	Raspeburg	100.	100.	98.	100.	97.	99.
3715	Palmer Hydrated Lime	Colora	100.	100.	98.	100.	97.	97.

Mechanical Analyses of Ground Limestone, Ground Oyster Shells, Ground Burnt Lime and Hydrated Lime

Number	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	Found	Guaranteed	Found	Guaranteed	Found
	National Gypsum Co., Buffalo, N. Y., (Continued)							
3716	Palmer Spraying Hydrated Lime	Colora	100.	**100.**	100.	**100.**	99.	**100.**
3713	Challenge Brand Pulverized Limestone Flour	Colora	100.	**100.**	100.	**100.**	99.	**100.**
3779	Pulverized Limestone Flour	Westminster		**100.**		**100.**		**100.**
	Potomac Poultry Food Co., Inc., Baltimore, Md.							
3682	Potolime	Crisfield	96.	**97.**	52.	**47.**	44.	**32.**
	Powhatan Lime Co., Strasburg Junction, Va.							
3670	Powhatan Hydrated Agric. Lime	Lonaconing	100.	**100.**	100.	**98.**	96.	**96.**
	I. G. Robinson, Hancock, Md.							
3797	Pulverized Raw Limestone	Hancock	67.	**70.**	20.	**23.**	12.	**14.**
	Edward Savage, Friendsville, Md.							
3795	Agric. Ground Burned Lime	Friendsville		**34.**		**25.**		**23.**
	Shank & Etzler Lime Co., Frederick, Md.							
3766	Agric. Ground Burned Lime	Frederick	40.	**74.**	30.	**51.**	20.	**42.**
3804	Agric. Ground Burned Lime	Frederick	40.	**68.**	30.	**44.**	20.	**37.**
3765	Agric. Hydrated Lime	Frederick	80.	**92.**	60.	**73.**	55.	**65.**
	Shinham Lime & Fertilzier Co., Harpers Ferry, W. Va.							
3733	Ground Burned Lime	Dargan		**31.**		**24.**		**22.**
	Standard Lime & Stone Co., Baltimore, Md.							
3691	Washington Agric. Hydrated Lime	Salisbury	99.90	**100.**	98.	**98.**	95.	**94.**
3662	Standard Agric. Hydrated Lime	Washington Grove	100.	**100.**	99.50	**100.**	95.	**99.**
3669	Standard Agric. Hydrated Lime	Raspeburg	100.	**100.**	99.50	**100.**	95.	**99.**
3749	Standard Pulverized Limestone	Frederick	100.	**100.**	99.90	**100.**	99.75	**100.**
3714	Standard Pulverized Limestone	Sykesville	100.	**100.**	99.90	**100.**	99.75	**100.**

3662	Standard Agric. Hydrated Lime	Washington Grove	100.	100.	99.50	100.	95.	99.
3669	Standard Agric. Hydrated Lime	Raspeburg	100.	100.	99.50	100.	95.	99.
3749	Standard Pulverized Limestone	Frederick	100.	100.	99.90	100.	99.75	100.
3714	Standard Pulverized Limestone	Sykesville	100.	100.	99.90	100.	99.75	100.
	Steacy & Wilton Co., Wrightsville, Pa.							
3756	"Sterling" Brand Hydrated Lime	Taneytown	100.	100.	99.25	100.	99.	99.
3689	"Sterling" Brand Hydrated Lime	Denton	100.	100	99.25	100.	99.	98.
3690	Pulverized Limestone	Denton	100.	100.	100.	100.	100.	99.
	Stoner & Powell, Woodsboro, Md.							
3746	Old Reliable Fountain Rock Lime	Hebron	97.	95.	89.	85.	82.	80.
3762	Old Reliable Fountain Rock Ground Lime	Woodsboro	80.	86.	60.	67.	40.	60.
3763	Old Reliable Fountain Rock Hydrated Lime	Woodsboro	85.	95.	75.	84.	65.	78.
	Thomasville Stone & Lime Co., Thomasville, Pa.							
3778	Thomasville Hydrated Lime	Glyndon	100.	100.	98.	100.	97.	98.
3707	Thomasville Hydrated Lime	Fallston	100.	100.	98.	100.	97.	99.
3750	Thomasville Pulverized Limestone	Westminster	100.	100.	99.50	100.	99.	99.
3708	Thomasville Pulverized Limestone	Fallston	100.	100.	99.50	99.	99.	98.
	W. H. Valliant & Bro., Bellevue, Md.							
3744	Ground Oyster Shell	Bellevue		84.		32.		18.
	Warner Co., Philadelphia, Pa.							
3693	Knickerbocker Hydrated Lime	Salisbury	100.	100.	97.	99.	95.	97.
3692	Knickerbocker Hydrated Lime	Cambridge	100.	100.	97.	99.	95.	97.
3699	Warner "Limoid"	Snow Hill	100.	100.	97.	100.	95.	99.
3687	Warner "Limoid"	Federalsburg	100.	100.	97.	100.	95.	98.
3747	Warner Pulverized Limestone	Rhodesdale	100.	100.	100.	100.	99.50	100.
	West Virginia Lime Co., Roanoke, Va.							
3684	§West Virginia Precipitated	Salisbury	90.	97.	70.	82.	60.	74.

§No guarantee of fineness on sacks.